

Appendix B

E-UTRA Band 2



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Conducted Power(dBm) | EIRP (dBm) | limit (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|------------|-------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#5 | 23.04 | 23.94 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#2 | 23.96 | 24.86 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#0 | 23.94 | 24.84 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#0 | 24.00 | 24.90 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#1 | 23.73 | 24.63 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 3RB#3 | 24.63 | 25.53 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 22.56 | 23.46 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#5 | 21.93 | 22.83 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#0 | 22.19 | 23.09 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 1RB#2 | 22.67 | 23.57 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#3 | 22.72 | 23.62 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#0 | 22.26 | 23.16 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 3RB#1 | 22.73 | 23.63 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 21.37 | 22.27 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#5 | 21.50 | 22.40 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#0 | 22.17 | 23.07 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#2 | 22.48 | 23.38 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#0 | 22.24 | 23.14 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#1 | 22.19 | 23.09 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 3RB#3 | 23.20 | 24.10 | 33 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 20.97 | 21.87 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#5 | 22.39 | 23.29 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#2 | 23.26 | 24.16 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0 | 23.20 | 24.10 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#3 | 23.76 | 24.66 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#1 | 22.93 | 23.83 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 3RB#0 | 23.15 | 24.05 | 33 | PASS |



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| | | | | | | | | |
|-------|--------|-------|-------|--------|-------|-------|----|------|
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 21.78 | 22.68 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#2 | 21.72 | 22.62 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#5 | 20.93 | 21.83 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 1RB#0 | 21.53 | 22.43 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#0 | 21.20 | 22.10 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#3 | 21.91 | 22.81 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 3RB#1 | 21.59 | 22.49 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 20.45 | 21.35 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#0 | 21.63 | 22.53 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5 | 20.79 | 21.69 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#2 | 21.73 | 22.63 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#0 | 21.33 | 22.23 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#1 | 21.38 | 22.28 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 3RB#3 | 22.35 | 23.25 | 33 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 21.06 | 21.96 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#14 | 22.65 | 23.55 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#0 | 24.00 | 24.90 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#8 | 24.07 | 24.97 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#0 | 24.41 | 25.31 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#7 | 24.57 | 25.47 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 8RB#4 | 23.92 | 24.82 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 22.83 | 23.73 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#14 | 21.39 | 22.29 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#8 | 22.94 | 23.84 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 1RB#0 | 22.09 | 22.99 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#7 | 22.77 | 23.67 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#4 | 22.81 | 23.71 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 8RB#0 | 22.60 | 23.50 | 33 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 21.38 | 22.28 | 33 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#8 | 22.50 | 23.40 | 33 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14 | 20.94 | 21.84 | 33 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#0 | 22.19 | 23.09 | 33 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#0 | 22.52 | 23.42 | 33 | PASS |



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| | | | | | | | | |
|-------|------|-------|-------|---------|-------|-------|----|------|
| Band2 | 3MHz | QPSK | 19185 | 8RB#4 | 22.41 | 23.31 | 33 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 8RB#7 | 22.68 | 23.58 | 33 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 21.15 | 22.05 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0 | 23.20 | 24.10 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#14 | 22.02 | 22.92 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#8 | 23.35 | 24.25 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#7 | 23.65 | 24.55 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#0 | 23.48 | 24.38 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 8RB#4 | 23.13 | 24.03 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 21.94 | 22.84 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#14 | 20.66 | 21.56 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#8 | 21.96 | 22.86 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 1RB#0 | 21.33 | 22.23 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#7 | 21.87 | 22.77 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#0 | 21.48 | 22.38 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 8RB#4 | 21.71 | 22.61 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 20.50 | 21.40 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#0 | 21.41 | 22.31 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#8 | 21.71 | 22.61 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14 | 20.33 | 21.23 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#4 | 21.55 | 22.45 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#0 | 21.73 | 22.63 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 8RB#7 | 21.79 | 22.69 | 33 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 20.32 | 21.22 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#24 | 23.83 | 24.73 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0 | 23.66 | 24.56 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#12 | 23.71 | 24.61 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#0 | 24.16 | 25.06 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#13 | 24.32 | 25.22 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 12RB#6 | 24.13 | 25.03 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 22.86 | 23.76 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#12 | 22.49 | 23.39 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 1RB#24 | 22.25 | 23.15 | 33 | PASS |



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| | | | | | | | | |
|-------|------|-------|-------|---------|-------|-------|----|------|
| Band2 | 5MHz | QPSK | 18900 | 1RB#0 | 22.20 | 23.10 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#13 | 22.55 | 23.45 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#6 | 22.35 | 23.25 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 12RB#0 | 22.33 | 23.23 | 33 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 21.42 | 22.32 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#0 | 22.51 | 23.41 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#12 | 22.13 | 23.03 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#24 | 22.49 | 23.39 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#0 | 22.32 | 23.22 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#6 | 22.26 | 23.16 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 12RB#13 | 22.32 | 23.22 | 33 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 21.25 | 22.15 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#24 | 23.02 | 23.92 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0 | 22.92 | 23.82 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#12 | 22.95 | 23.85 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#0 | 23.25 | 24.15 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#13 | 23.42 | 24.32 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 12RB#6 | 23.23 | 24.13 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 21.99 | 22.89 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#12 | 21.54 | 22.44 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#24 | 21.61 | 22.51 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 1RB#0 | 21.58 | 22.48 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#13 | 21.37 | 22.27 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#6 | 21.30 | 22.20 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 12RB#0 | 21.26 | 22.16 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 20.43 | 21.33 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#0 | 21.76 | 22.66 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#12 | 21.51 | 22.41 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#24 | 21.76 | 22.66 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#6 | 21.35 | 22.25 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#13 | 21.38 | 22.28 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 12RB#0 | 21.50 | 22.40 | 33 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 21.14 | 22.04 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band2 | 10MHz | QPSK | 18650 | 1RB#0 | 24.23 | 25.13 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#24 | 23.92 | 24.82 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#49 | 24.18 | 25.08 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#0 | 24.26 | 25.16 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#25 | 24.45 | 25.35 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 25RB#12 | 23.98 | 24.88 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 23.07 | 23.97 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#24 | 22.75 | 23.65 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#49 | 22.80 | 23.70 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 1RB#0 | 22.25 | 23.15 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#25 | 22.59 | 23.49 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#12 | 22.70 | 23.60 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 25RB#0 | 22.44 | 23.34 | 33 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 21.54 | 22.44 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#0 | 23.21 | 24.11 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49 | 22.42 | 23.32 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#24 | 22.43 | 23.33 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#0 | 22.52 | 23.42 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#25 | 22.60 | 23.50 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 25RB#12 | 22.48 | 23.38 | 33 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 21.48 | 22.38 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#49 | 23.45 | 24.35 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24 | 23.27 | 24.17 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0 | 23.52 | 24.42 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#12 | 23.09 | 23.99 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#25 | 23.55 | 24.45 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0 | 23.29 | 24.19 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0 | 22.76 | 23.66 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0 | 21.65 | 22.55 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24 | 21.78 | 22.68 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#49 | 22.13 | 23.03 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#12 | 21.56 | 22.46 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#0 | 21.25 | 22.15 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band2 | 10MHz | 16QAM | 18900 | 25RB#25 | 21.48 | 22.38 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0 | 21.45 | 22.35 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0 | 22.45 | 23.35 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24 | 21.65 | 22.55 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | 21.62 | 22.52 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#25 | 21.64 | 22.54 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#0 | 21.75 | 22.65 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#12 | 21.55 | 22.45 | 33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0 | 21.44 | 22.34 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0 | 24.19 | 25.09 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#38 | 23.99 | 24.89 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#74 | 23.64 | 24.54 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#39 | 24.23 | 25.13 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#18 | 24.64 | 25.54 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 36RB#0 | 24.54 | 25.44 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 23.15 | 24.05 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#74 | 22.96 | 23.86 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#0 | 22.60 | 23.50 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 1RB#38 | 22.60 | 23.50 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#18 | 22.60 | 23.50 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#39 | 22.94 | 23.84 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 36RB#0 | 22.58 | 23.48 | 33 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 21.63 | 22.53 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#0 | 23.67 | 24.57 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#38 | 22.64 | 23.54 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74 | 22.44 | 23.34 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#0 | 23.33 | 24.23 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#18 | 22.80 | 23.70 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 36RB#39 | 23.29 | 24.19 | 33 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 21.92 | 22.82 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0 | 23.44 | 24.34 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#38 | 23.39 | 24.29 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#74 | 23.01 | 23.91 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band2 | 15MHz | 16QAM | 18675 | 36RB#0 | 23.56 | 24.46 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 36RB#18 | 23.75 | 24.65 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 36RB#39 | 23.38 | 24.28 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0 | 23.09 | 23.99 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#74 | 22.16 | 23.06 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0 | 21.69 | 22.59 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#38 | 21.69 | 22.59 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 36RB#39 | 21.72 | 22.62 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 36RB#0 | 21.51 | 22.41 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 36RB#18 | 21.42 | 22.32 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0 | 22.24 | 23.14 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | 21.59 | 22.49 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0 | 22.72 | 23.62 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#38 | 22.01 | 22.91 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 36RB#0 | 22.44 | 23.34 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 36RB#18 | 21.67 | 22.57 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 36RB#39 | 22.31 | 23.21 | 33 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0 | 22.36 | 23.26 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#49 | 24.07 | 24.97 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#99 | 23.09 | 23.99 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0 | 23.81 | 24.71 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#50 | 24.25 | 25.15 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#25 | 24.69 | 25.59 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 50RB#0 | 24.71 | 25.61 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 22.75 | 23.65 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#49 | 22.84 | 23.74 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#99 | 23.25 | 24.15 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 1RB#0 | 23.11 | 24.01 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#25 | 23.62 | 24.52 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#50 | 23.42 | 24.32 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 50RB#0 | 22.80 | 23.70 | 33 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 21.57 | 22.47 | 33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#99 | 22.44 | 23.34 | 33 | PASS |



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| | | | | | | | | |
|-------|-------|-------|-------|---------|-------|-------|----|------|
| Band2 | 20MHz | QPSK | 19100 | 1RB#49 | 23.26 | 24.16 | 33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#0 | 23.74 | 24.64 | 33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#0 | 23.75 | 24.65 | 33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#50 | 23.25 | 24.15 | 33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 50RB#25 | 24.42 | 25.32 | 33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 21.86 | 22.76 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0 | 23.07 | 23.97 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#49 | 23.39 | 24.29 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#99 | 22.43 | 23.33 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#0 | 22.60 | 23.50 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#25 | 22.61 | 23.51 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 50RB#50 | 22.56 | 23.46 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 22.56 | 23.46 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0 | 22.32 | 23.22 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#49 | 21.78 | 22.68 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#99 | 22.48 | 23.38 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#0 | 22.24 | 23.14 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#25 | 22.25 | 23.15 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 50RB#50 | 22.24 | 23.14 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 22.25 | 23.15 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0 | 22.96 | 23.86 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#49 | 22.45 | 23.35 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99 | 21.53 | 22.43 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#50 | 22.05 | 22.95 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#25 | 21.93 | 22.83 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 50RB#0 | 21.84 | 22.74 | 33 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 21.83 | 22.73 | 33 | PASS |

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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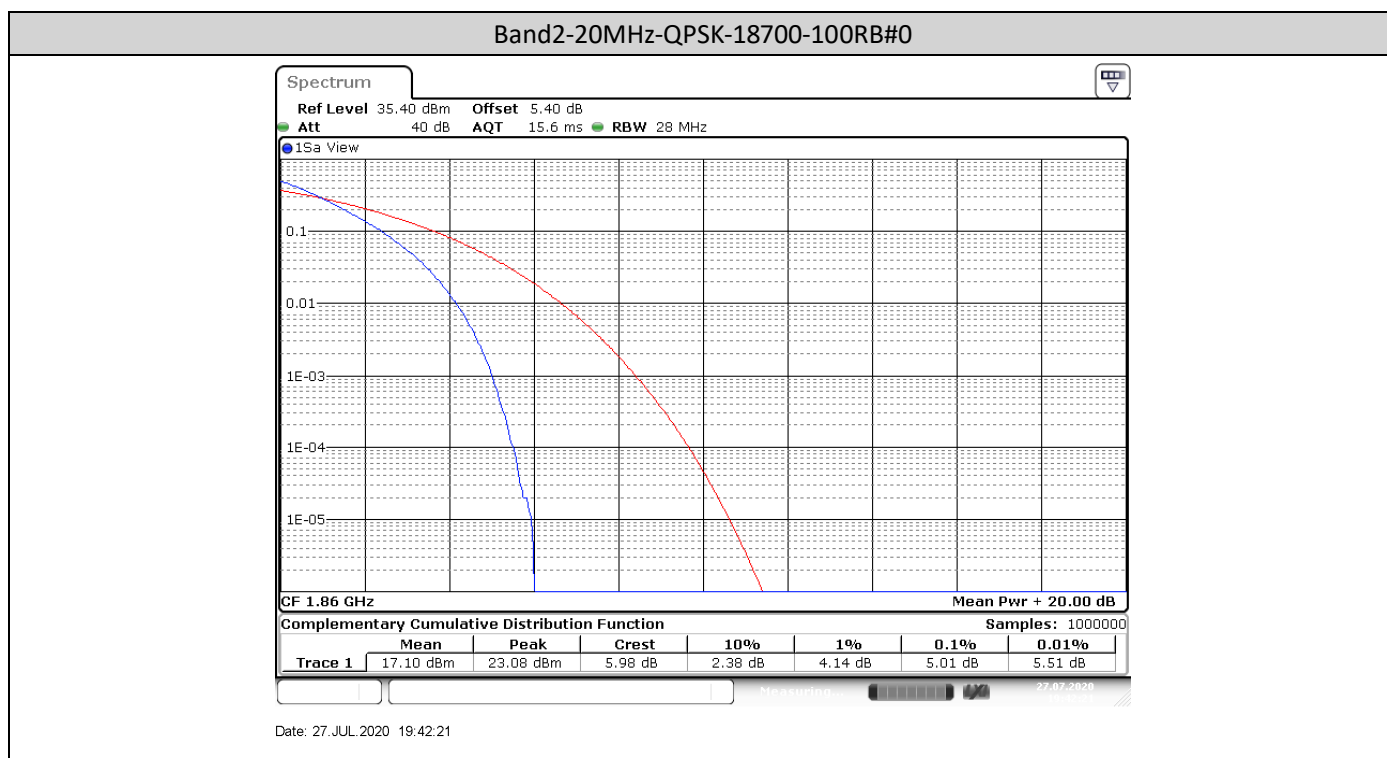


2. Peak-to-Average Ratio (CCDF)

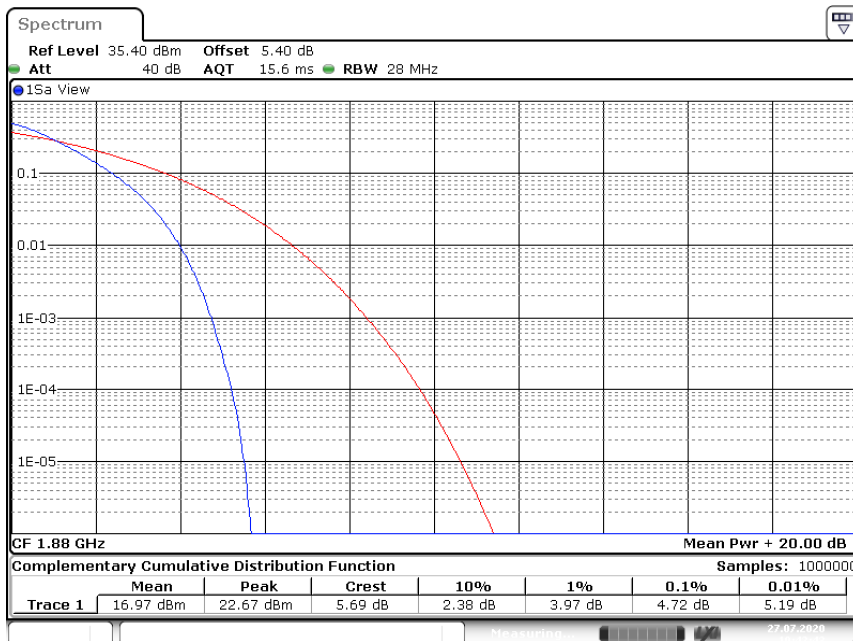
2.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 5.01 | 13 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 4.72 | 13 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 4.81 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | 5.65 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | 5.45 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | 4.96 | 13 | PASS |

2.2. Test Plots

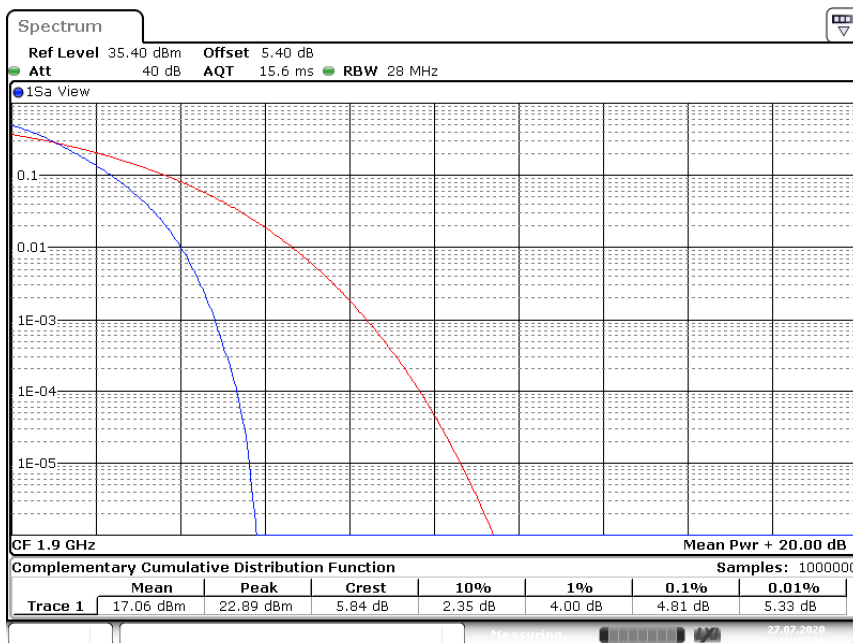


Band2-20MHz-QPSK-18900-100RB#0



Date: 27.JUL.2020 19:42:44

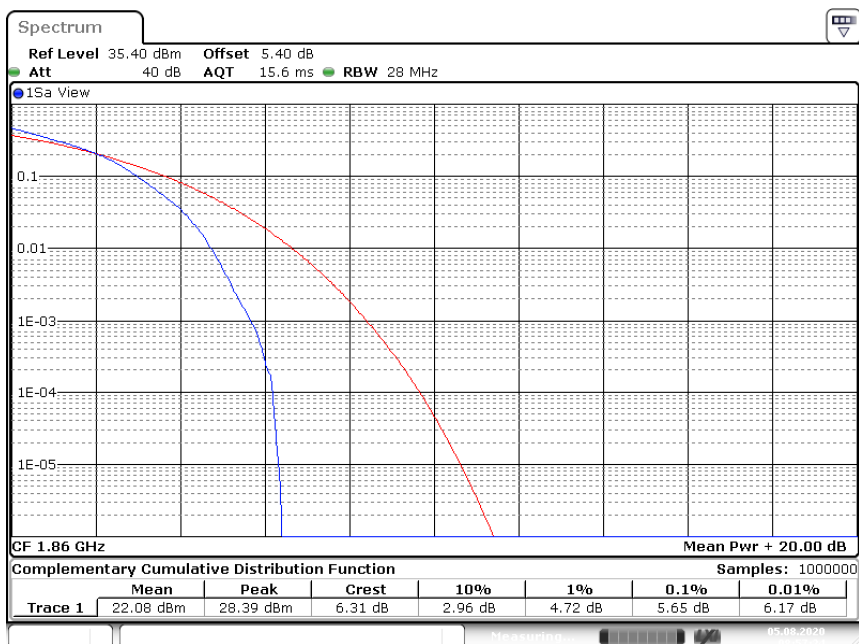
Band2-20MHz-QPSK-19100-100RB#0



Date: 27.JUL.2020 19:43:06

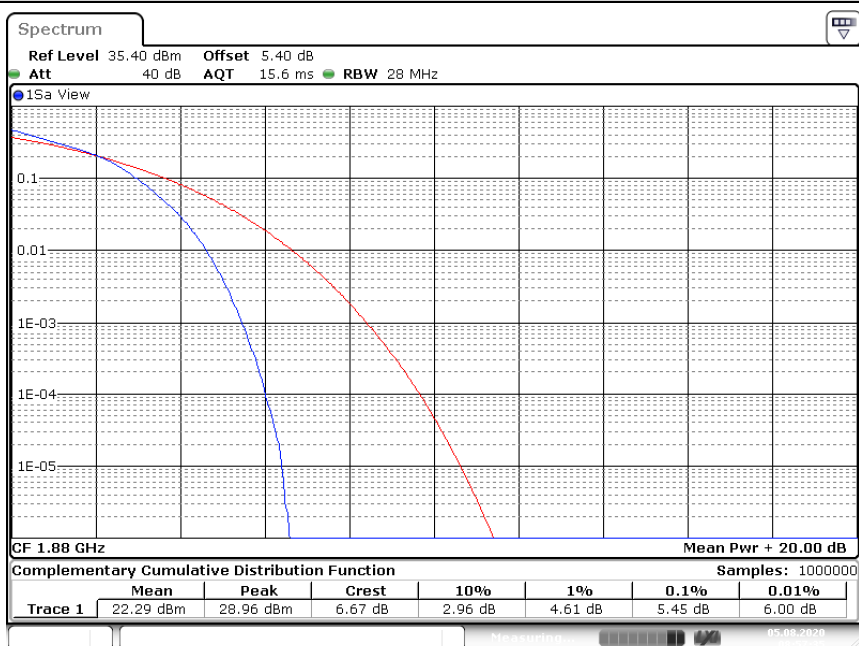


Band2-20MHz-16QAM-18700-32RB#0



Date: 5.AUG.2020 08:57:24

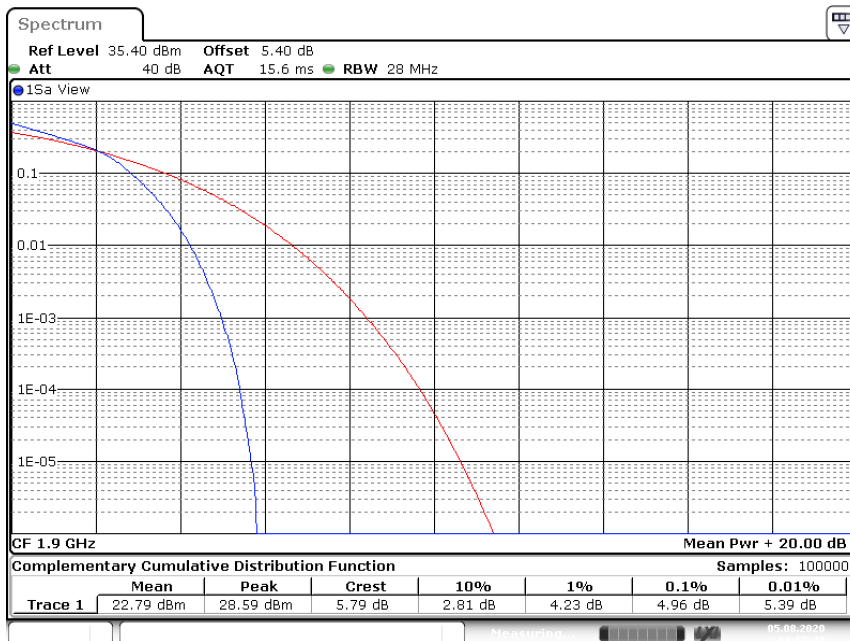
Band2-20MHz-16QAM-18900-32RB#0



Date: 5.AUG.2020 08:57:36



Band2-20MHz-16QAM-19100-32RB#0



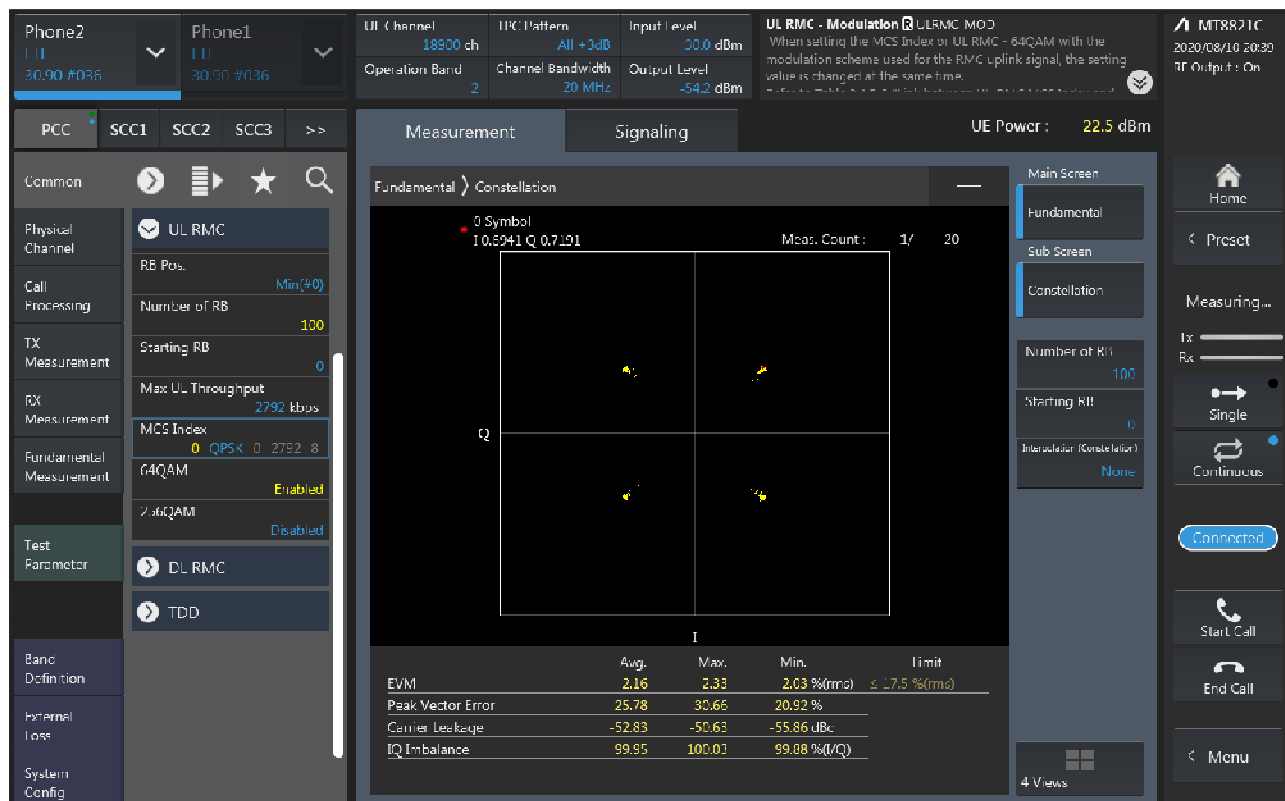
Date: 5.AUG.2020 08:57:47



3. Modulation Characteristics

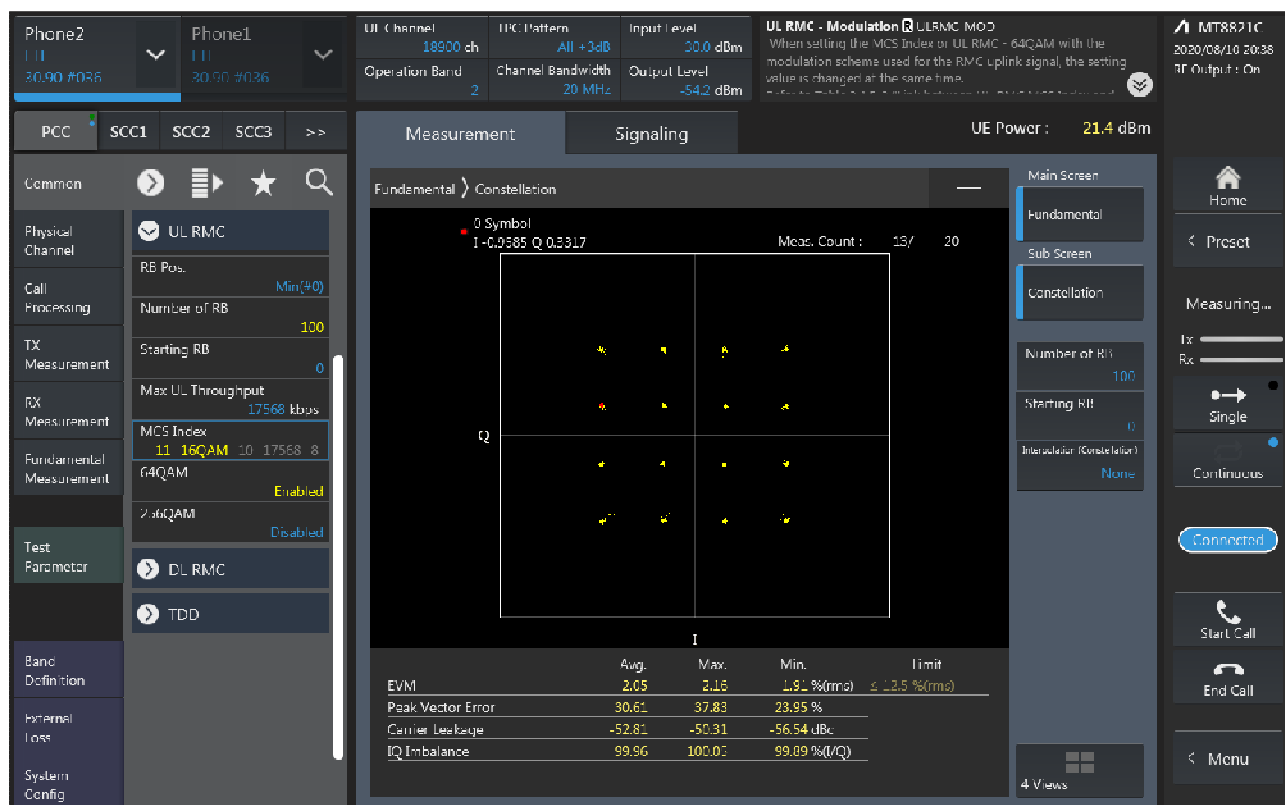
3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | 1.094 | 1.434 | PASS |
| Band2 | 1.4MHz | QPSK | 18900 | 6RB#0 | 1.094 | 1.437 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | 1.094 | 1.446 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | 1.097 | 1.470 | PASS |
| Band2 | 1.4MHz | 16QAM | 18900 | 6RB#0 | 1.097 | 1.461 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | 1.097 | 1.470 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | 2.691 | 3.204 | PASS |
| Band2 | 3MHz | QPSK | 18900 | 15RB#0 | 2.685 | 3.204 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | 2.691 | 3.228 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | 2.685 | 3.216 | PASS |
| Band2 | 3MHz | 16QAM | 18900 | 15RB#0 | 2.679 | 3.138 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | 2.679 | 3.204 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | 4.456 | 5.030 | PASS |
| Band2 | 5MHz | QPSK | 18900 | 25RB#0 | 4.456 | 5.040 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | 4.456 | 5.050 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | 4.456 | 5.030 | PASS |
| Band2 | 5MHz | 16QAM | 18900 | 25RB#0 | 4.466 | 4.980 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | 4.456 | 4.990 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | 8.891 | 9.560 | PASS |
| Band2 | 10MHz | QPSK | 18900 | 50RB#0 | 8.911 | 9.560 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | 8.891 | 9.520 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 32RB#0 | 5.814 | 8.960 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 32RB#0 | 5.814 | 8.040 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 32RB#0 | 5.814 | 7.980 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | 13.546 | 16.560 | PASS |
| Band2 | 15MHz | QPSK | 18900 | 75RB#0 | 13.546 | 16.770 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | 13.546 | 16.440 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 32RB#0 | 7.313 | 14.070 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 32RB#0 | 6.893 | 12.300 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 32RB#0 | 6.713 | 12.030 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | 17.942 | 21.040 | PASS |



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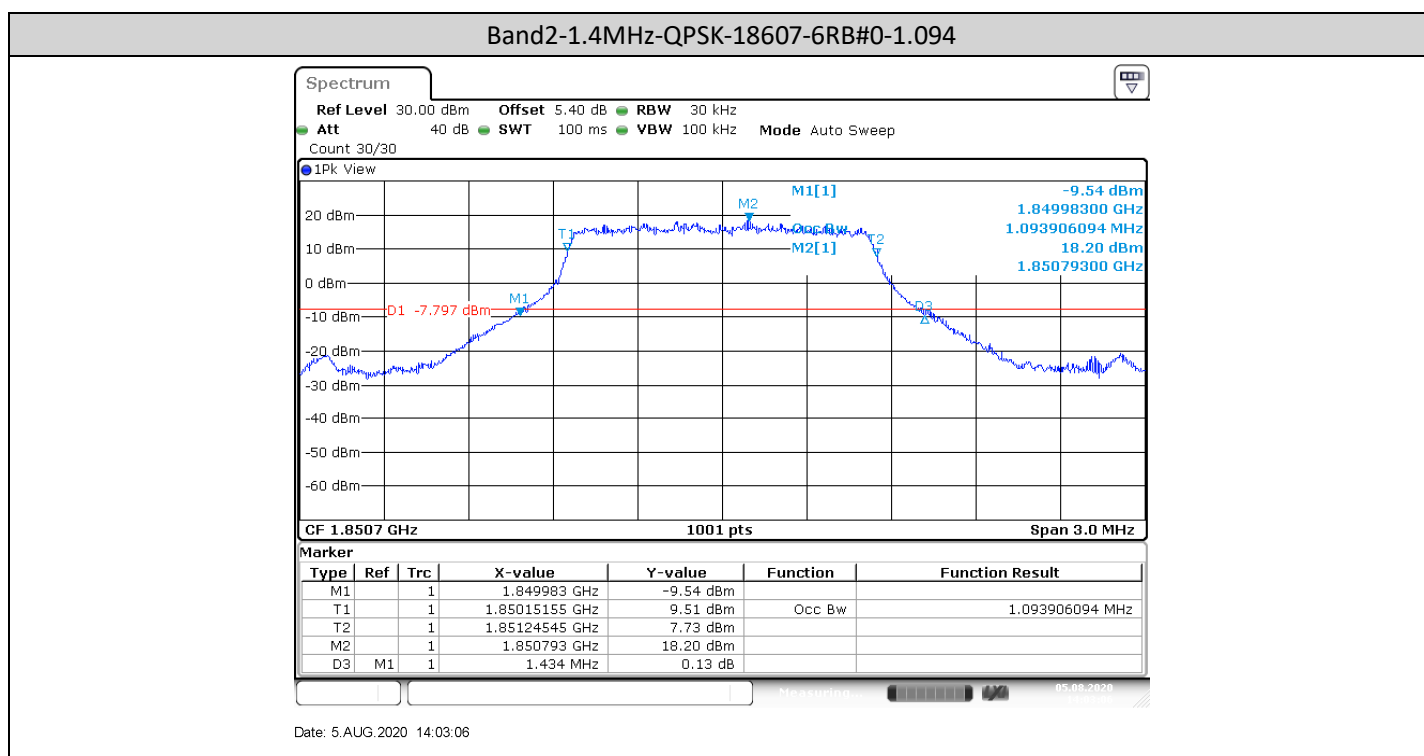
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| | | | | | | | |
|-------|-------|-------|-------|---------|--------|--------|------|
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | 17.942 | 21.360 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | 17.942 | 21.040 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | 8.152 | 14.480 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | 7.473 | 14.880 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | 7.273 | 10.920 | PASS |

4.2. Test Plots



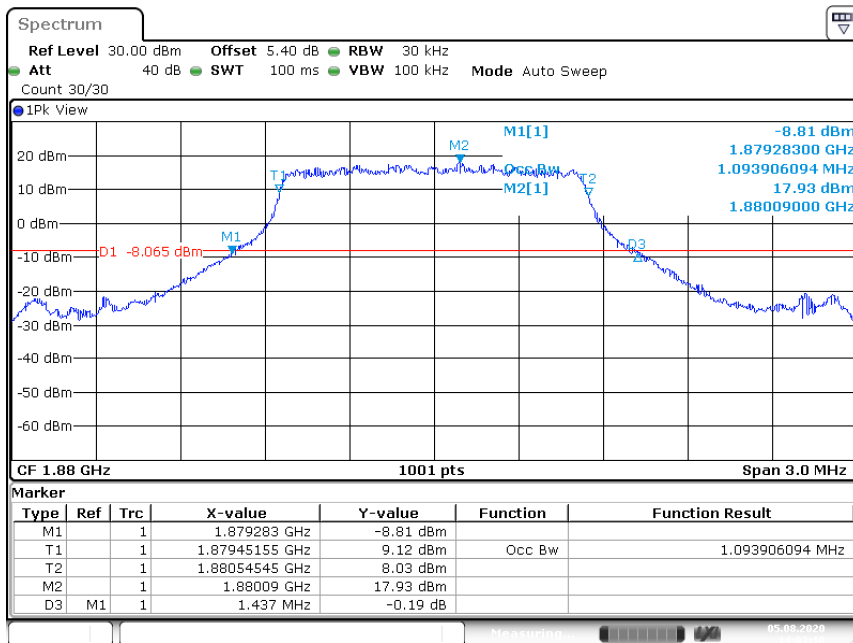
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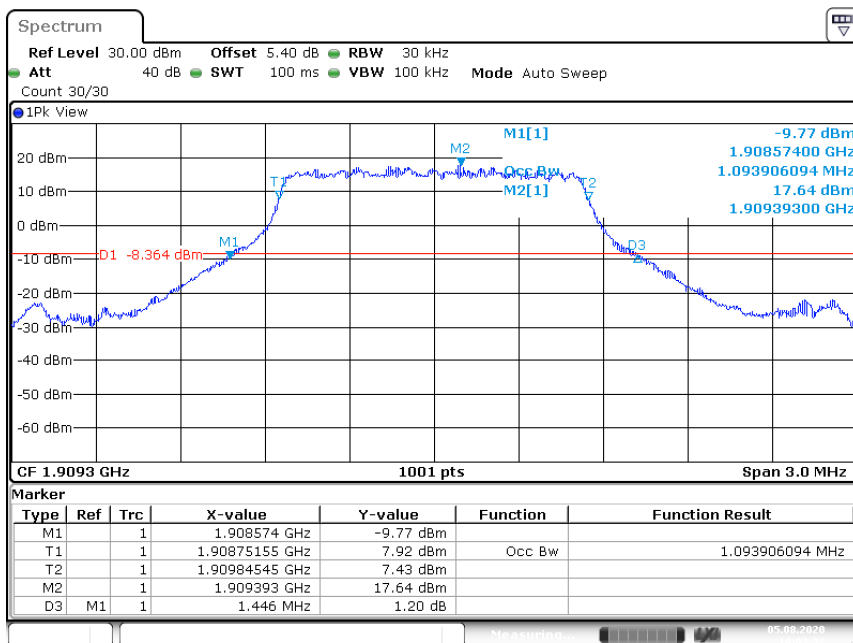
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Band2-1.4MHz-QPSK-18900-6RB#0-1.094



Date: 5.AUG.2020 14:03:19

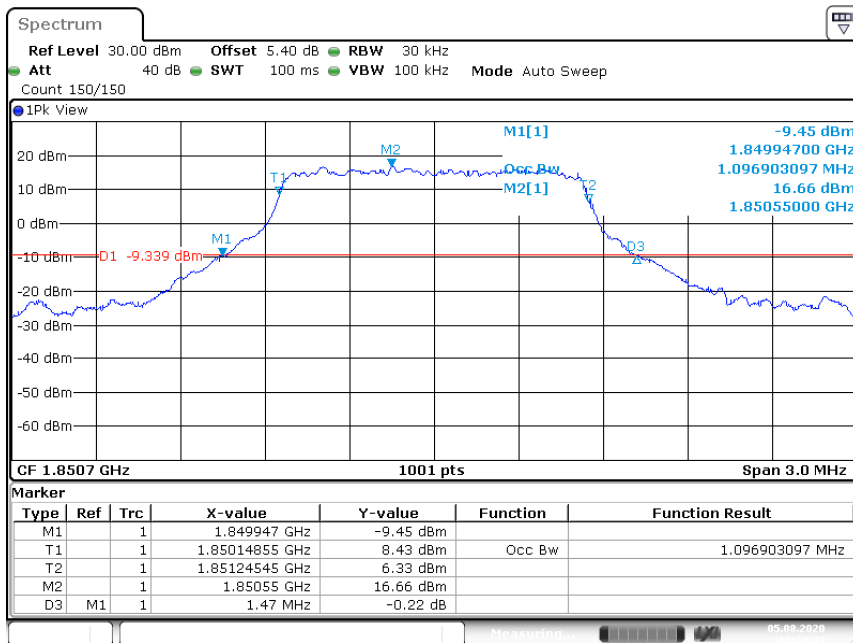
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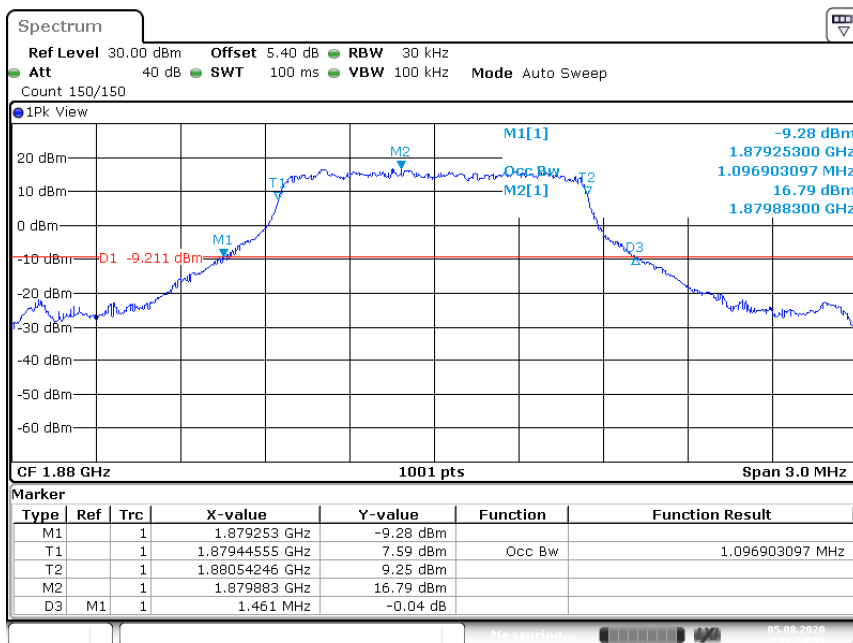


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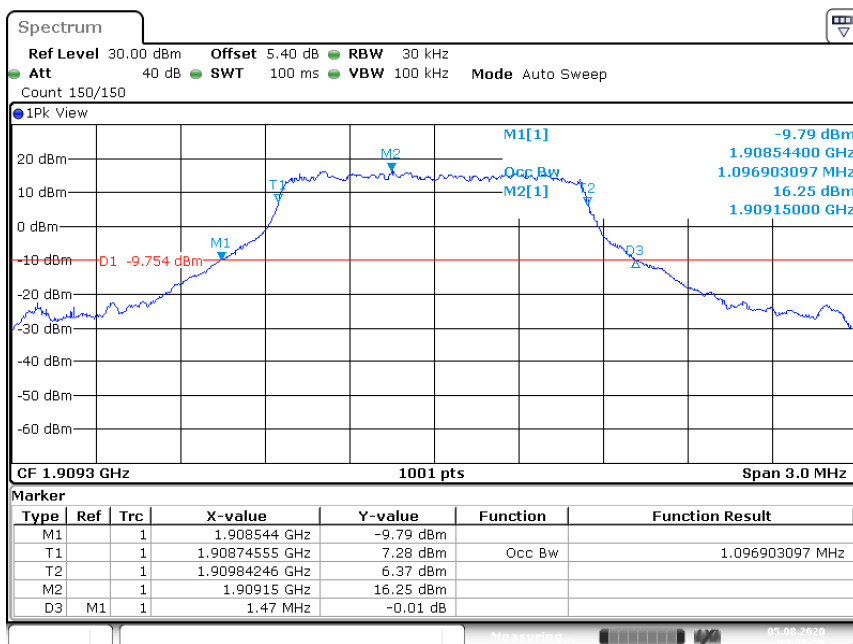
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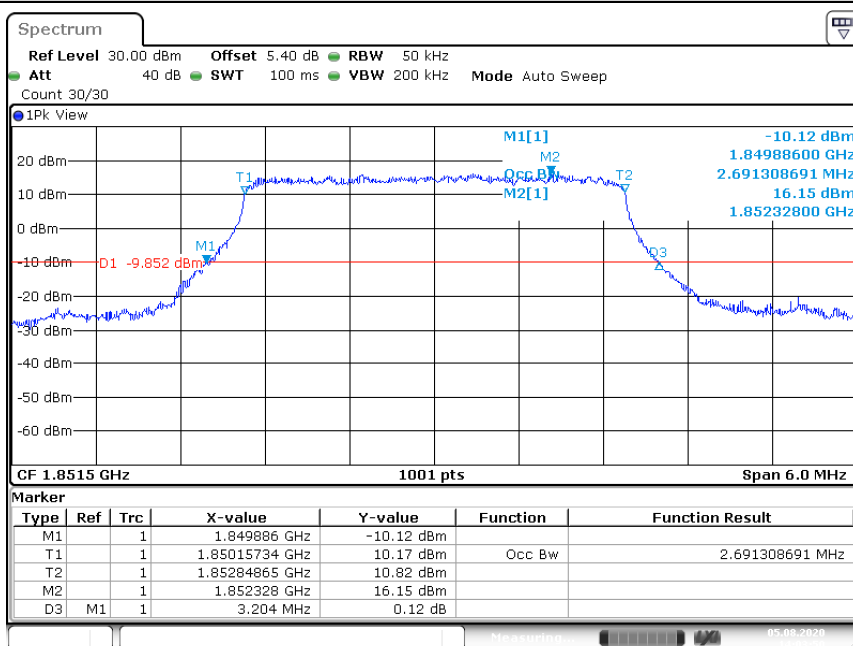


Band2-1.4MHz-16QAM-19193-6RB#0-1.097



Date: 5.AUG.2020 12:25:25

Band2-3MHz-QPSK-18615-15RB#0-2.691

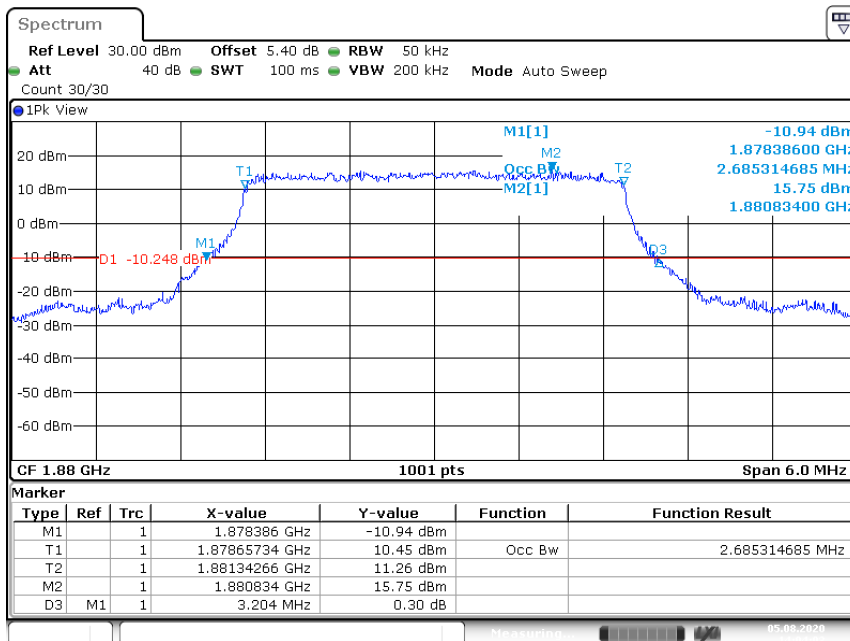


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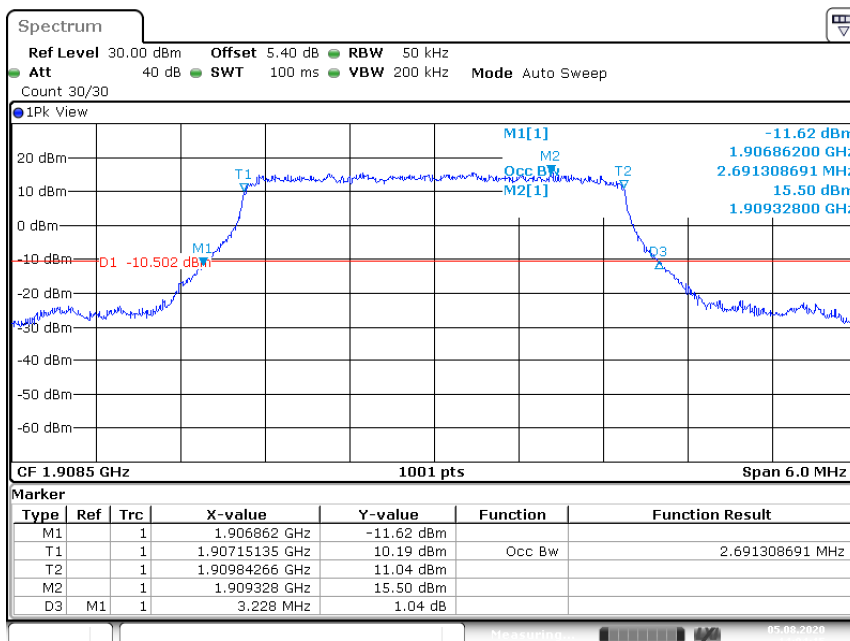


Band2-3MHz-QPSK-18900-15RB#0-2.685



Date: 5.AUG.2020 14:04:03

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Date: 5.AUG.2020 14:04:16

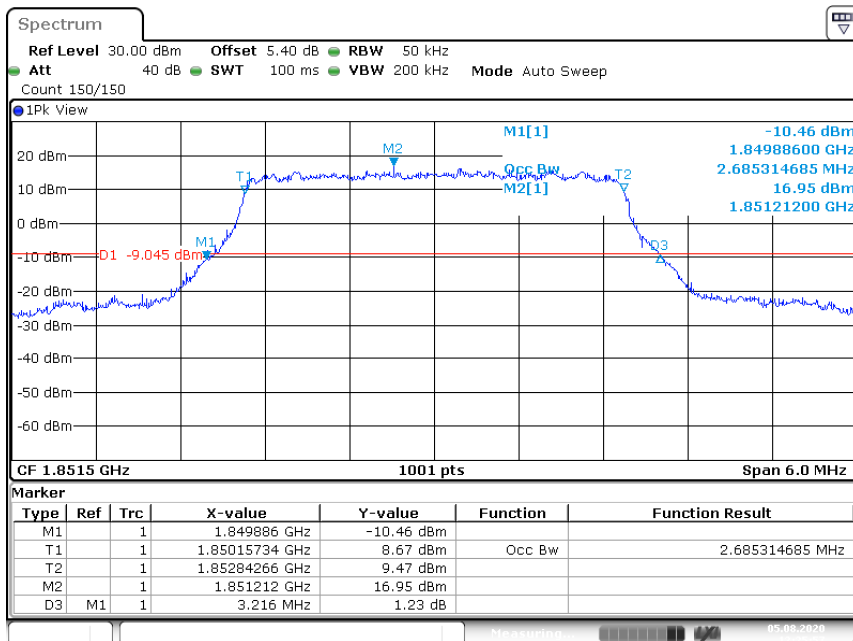


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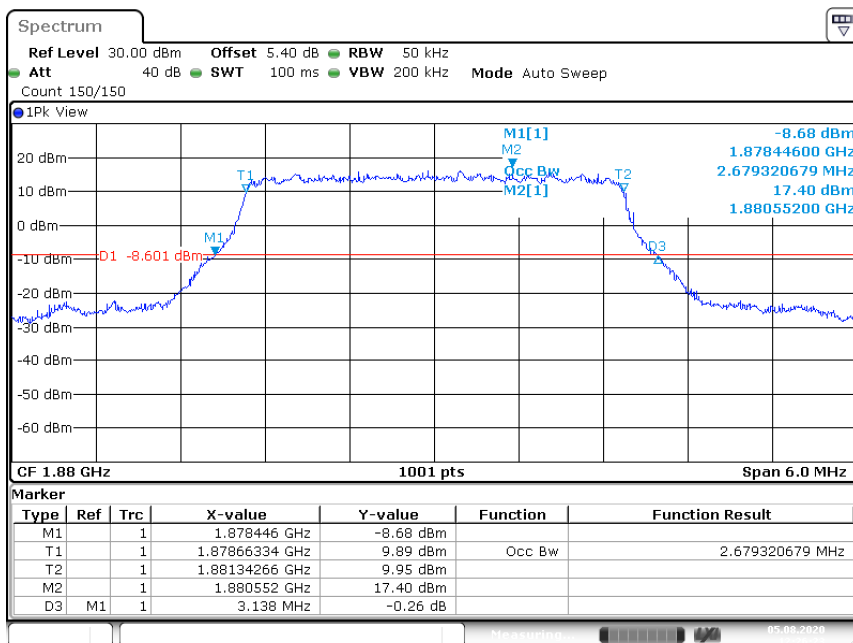
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Band2-3MHz-16QAM-18615-15RB#0-2.685



Date: 5.AUG.2020 12:25:57

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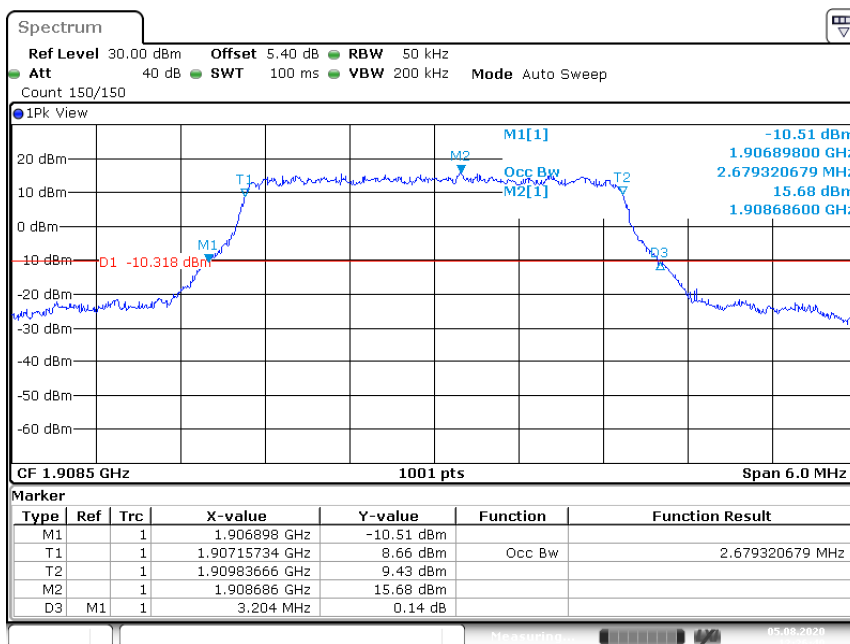


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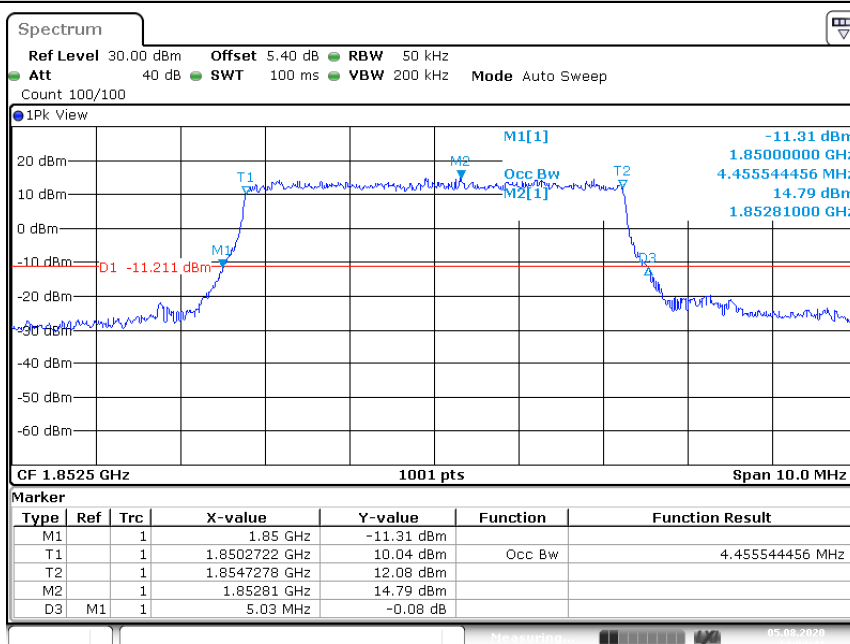


Band2-3MHz-16QAM-19185-15RB#0-2.679



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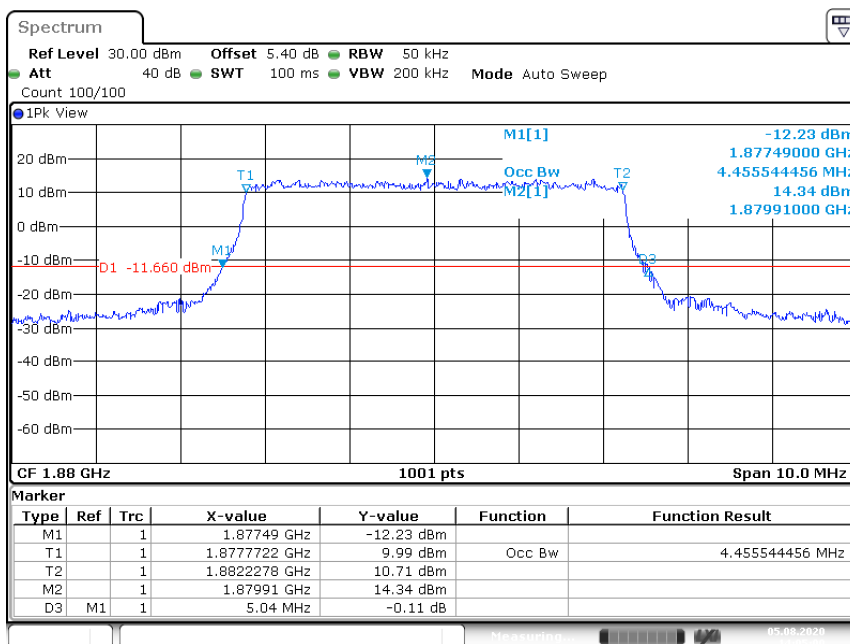


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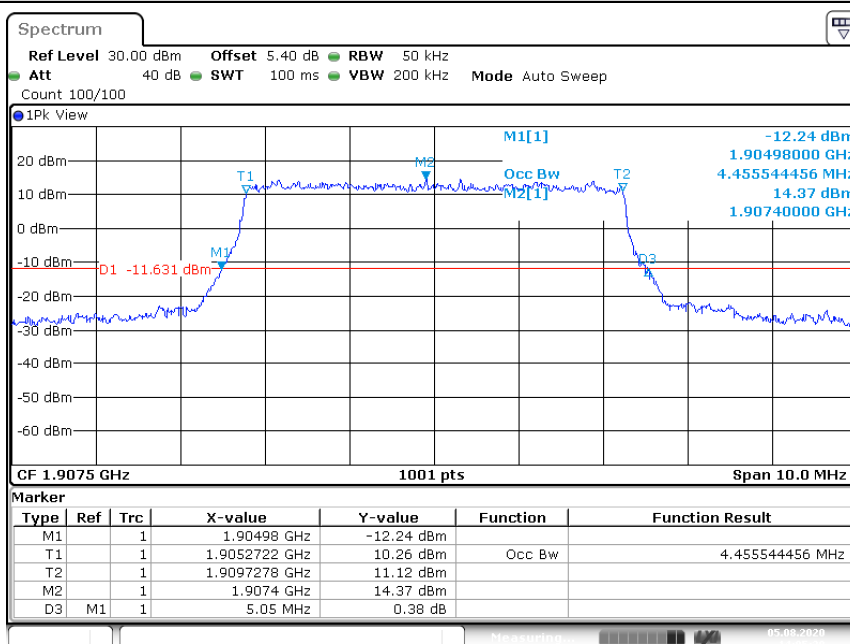


Band2-5MHz-QPSK-18900-25RB#0-4.456



Date: 5.AUG.2020 14:05:01

Band2-5MHz-QPSK-19175-25RB#0-4.456



Date: 5.AUG.2020 14:05:20

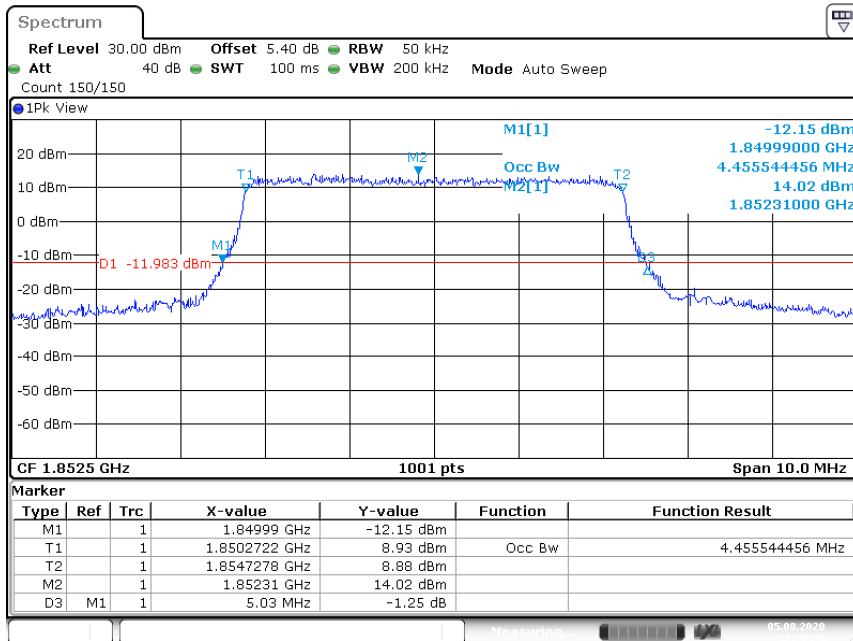


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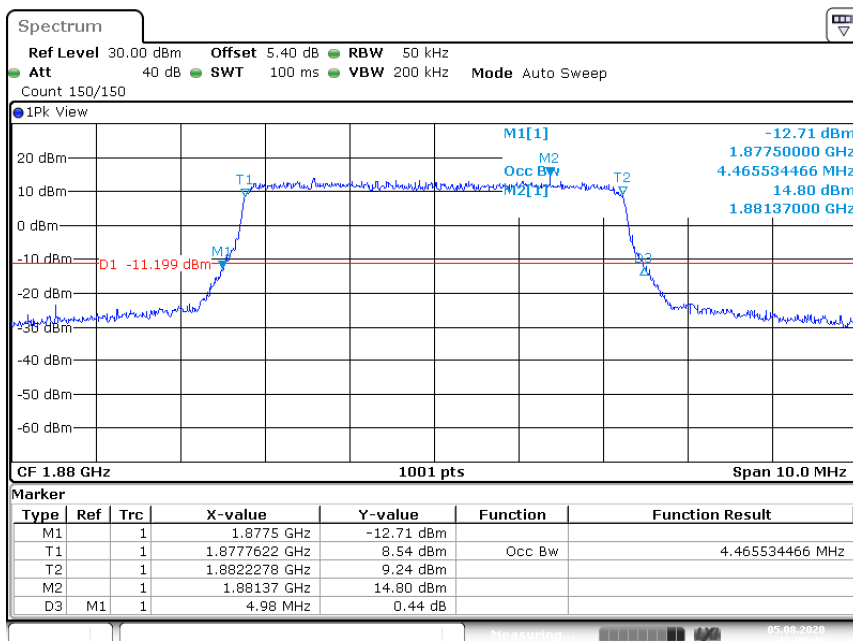
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Band2-5MHz-16QAM-18625-25RB#0-4.456



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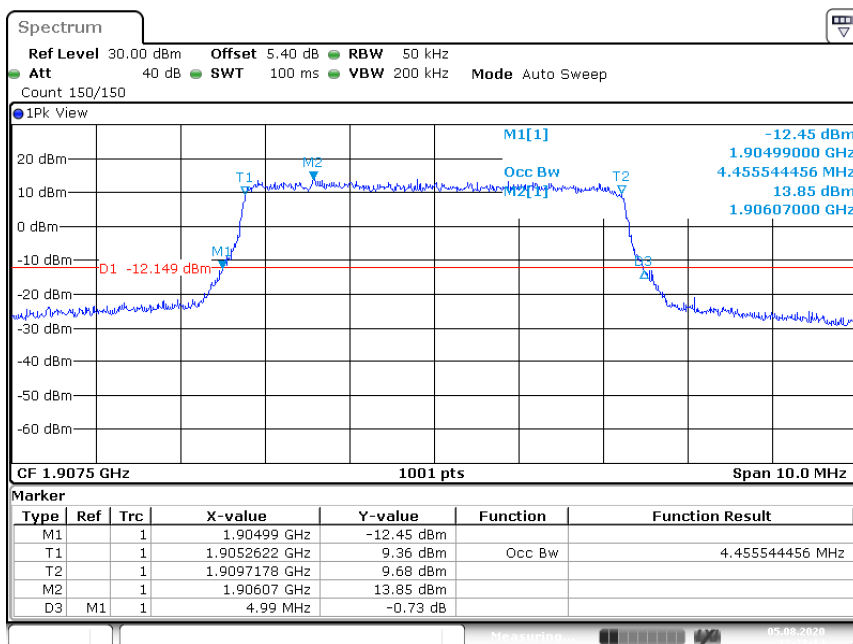
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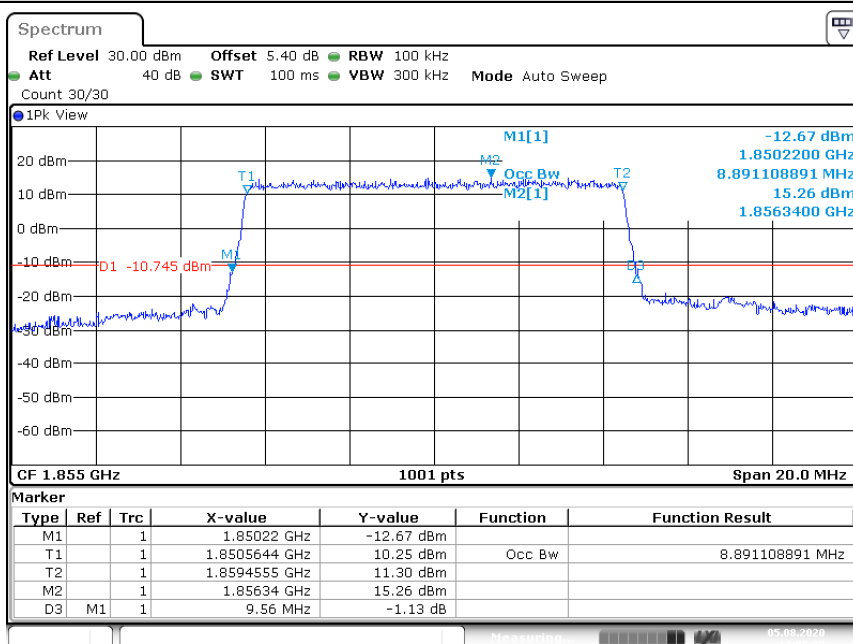


Band2-5MHz-16QAM-19175-25RB#0-4.456



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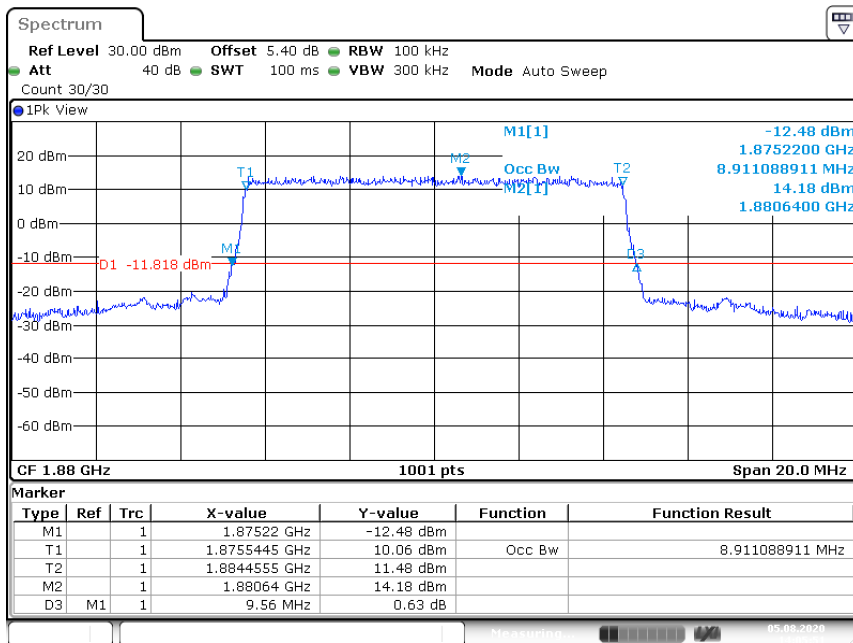
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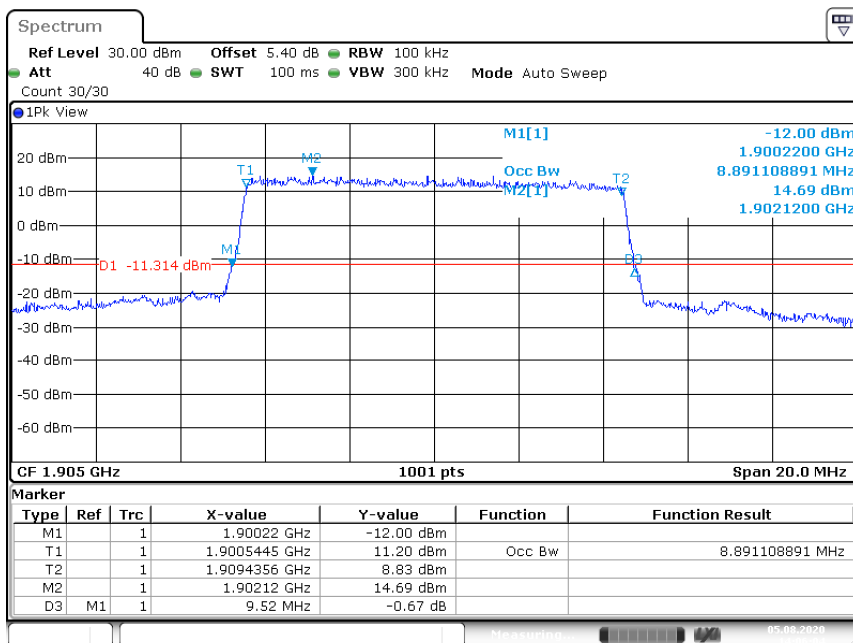


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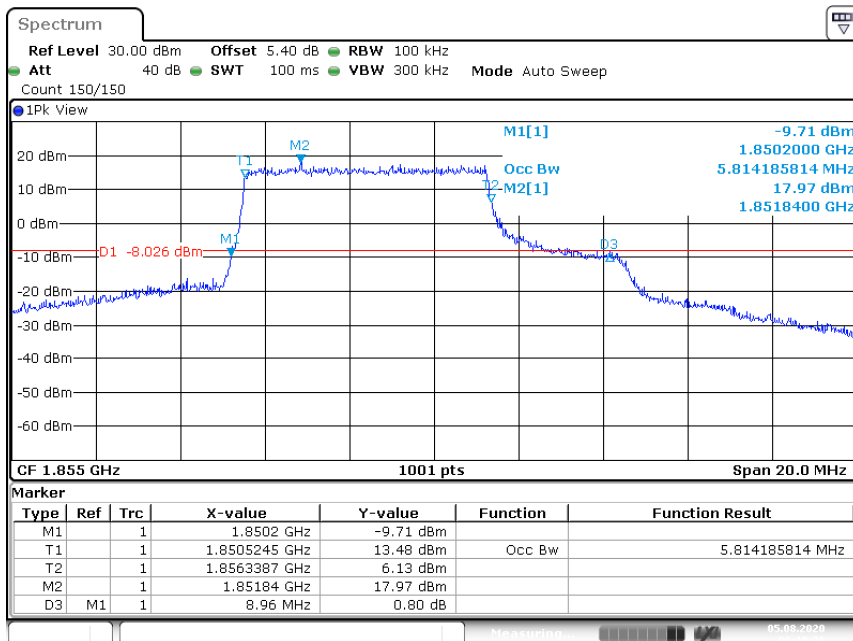
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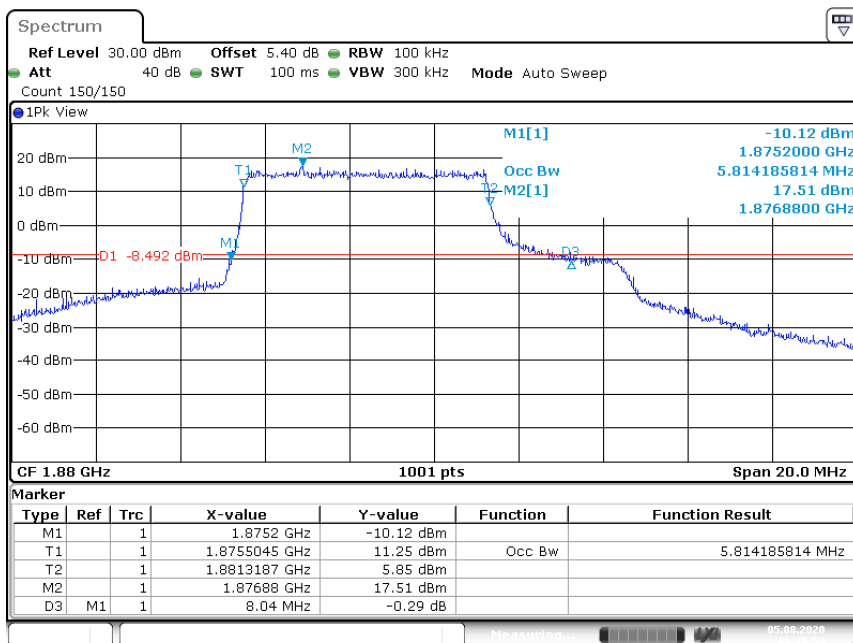


Band2-10MHz-16QAM-18650-32RB#0-5.814



Date: 5.AUG.2020 09:19:27

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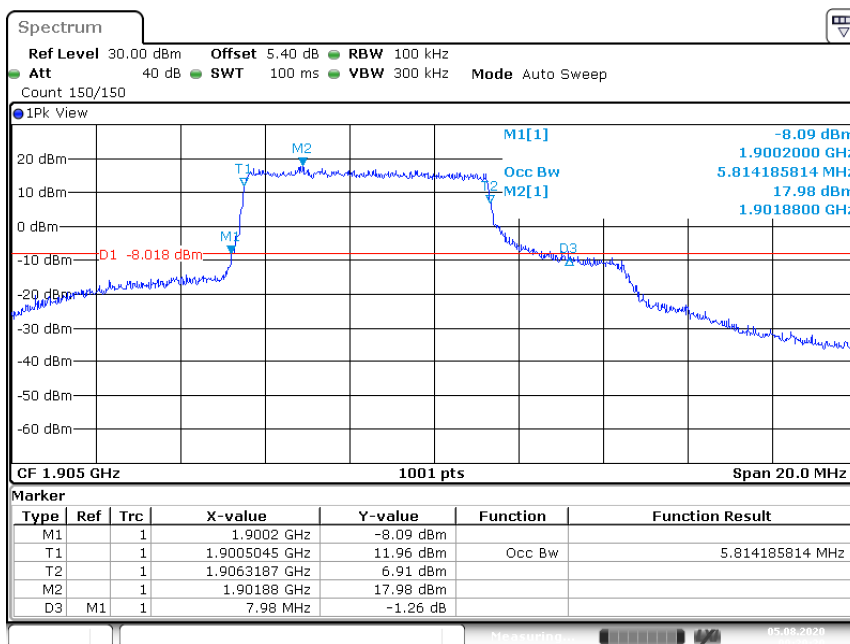


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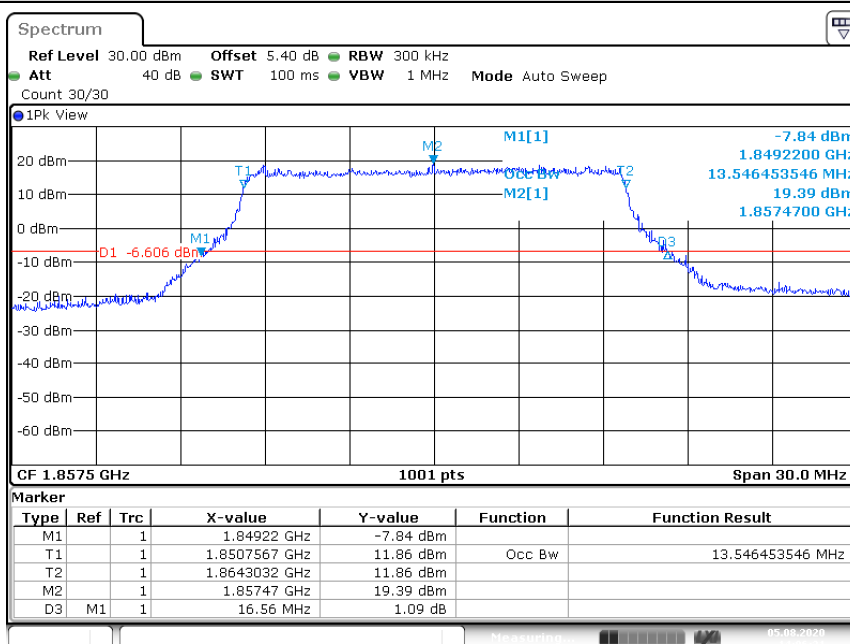


Band2-10MHz-16QAM-19150-32RB#0-5.814



Date: 5.AUG.2020 09:20:20

Band2-15MHz-QPSK-18675-75RB#0-13.546



Date: 5.AUG.2020 14:06:22



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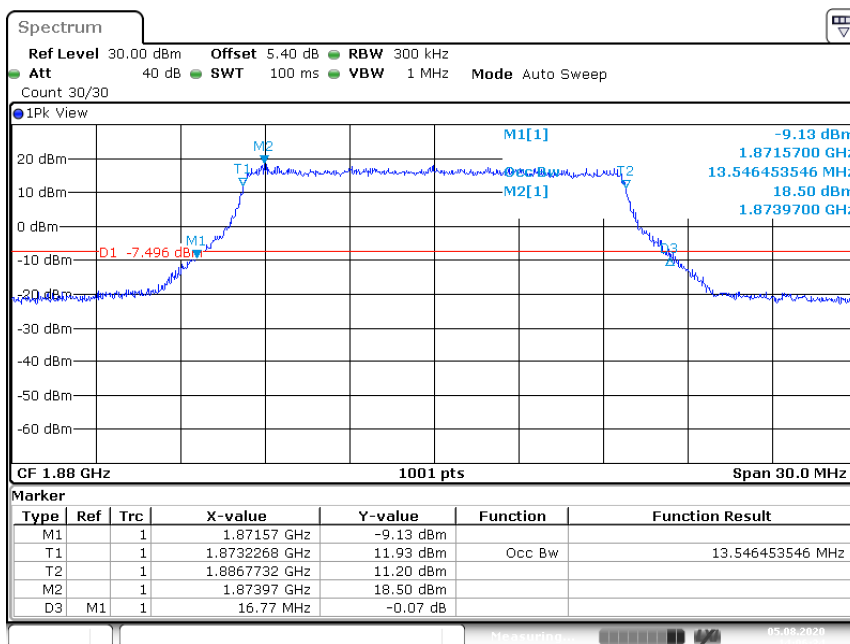
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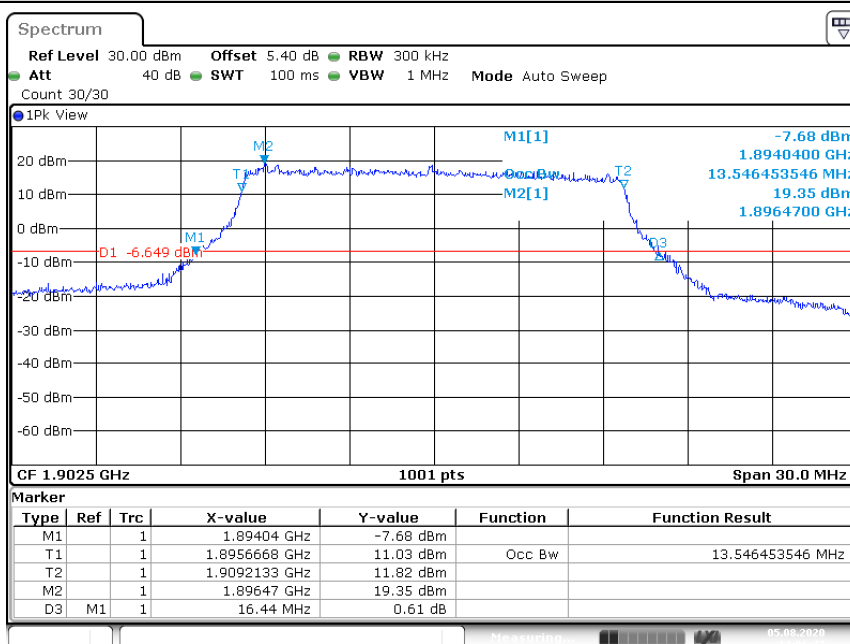


Band2-15MHz-QPSK-18900-75RB#0-13.546



Date: 5.AUG.2020 14:06:35

Band2-15MHz-QPSK-19125-75RB#0-13.546



Date: 5.AUG.2020 14:06:48



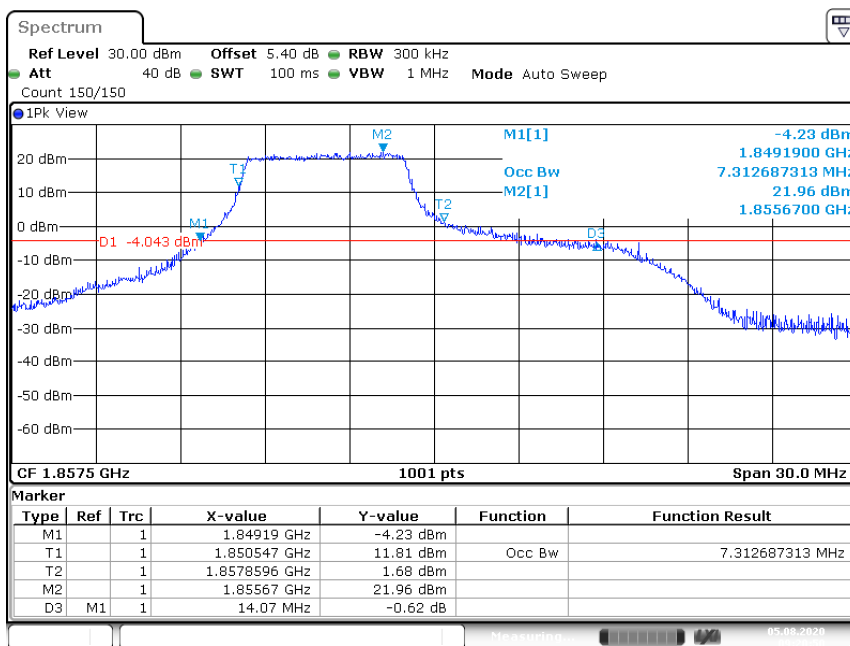
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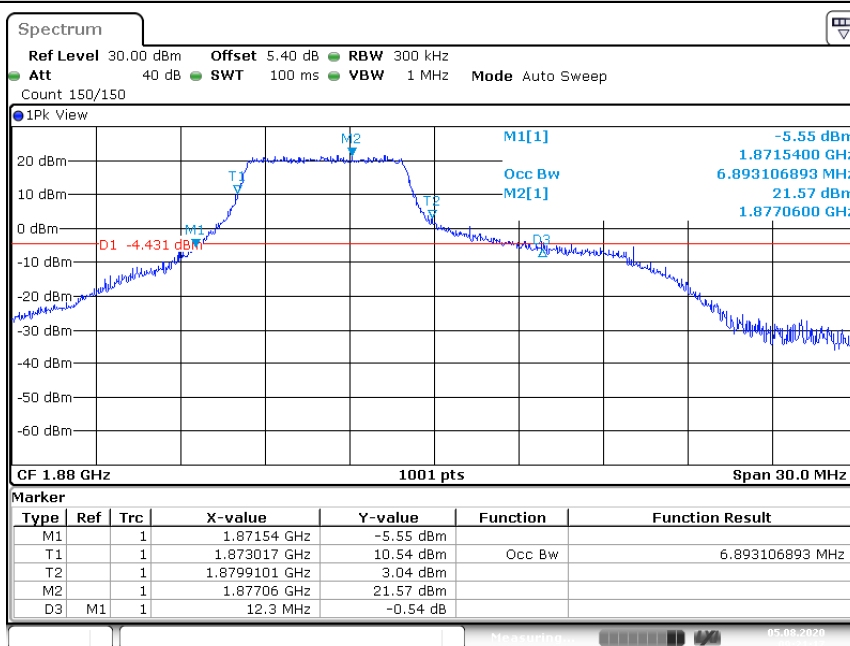


Band2-15MHz-16QAM-18675-32RB#0-7.313



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Date: 5.AUG.2020 09:21:17



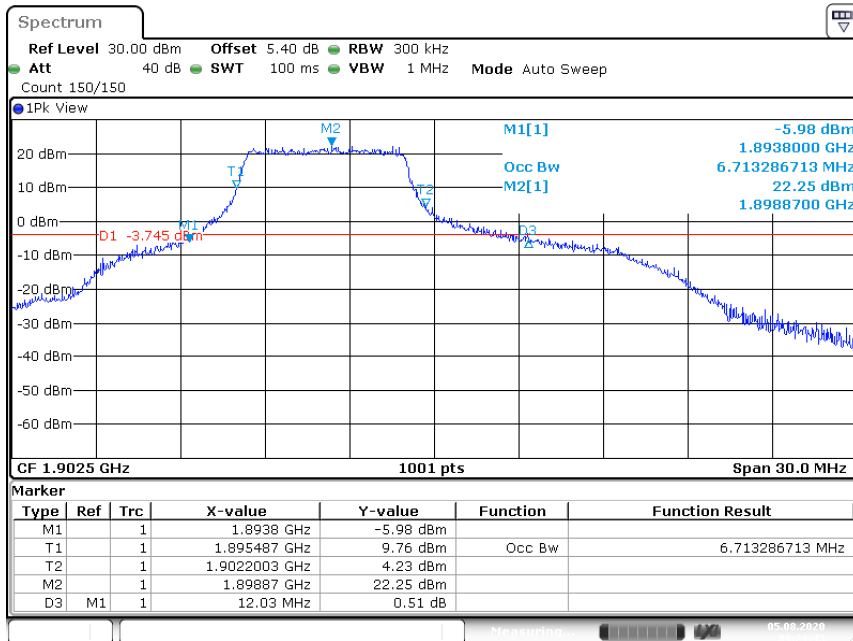
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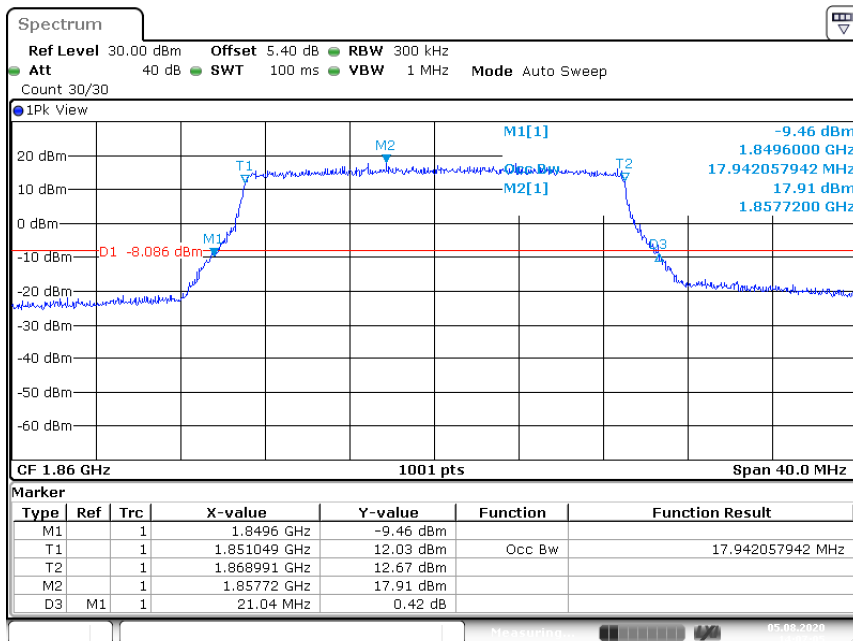


Band2-15MHz-16QAM-19125-32RB#0-6.713



Date: 5.AUG.2020 09:21:44

Band2-20MHz-QPSK-18700-100RB#0-17.942



Date: 5.AUG.2020 14:07:05



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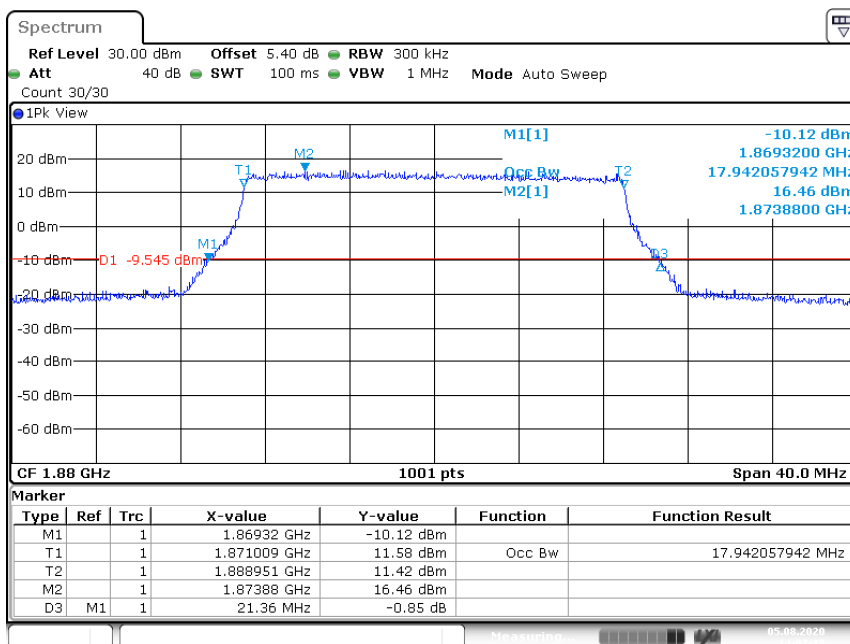
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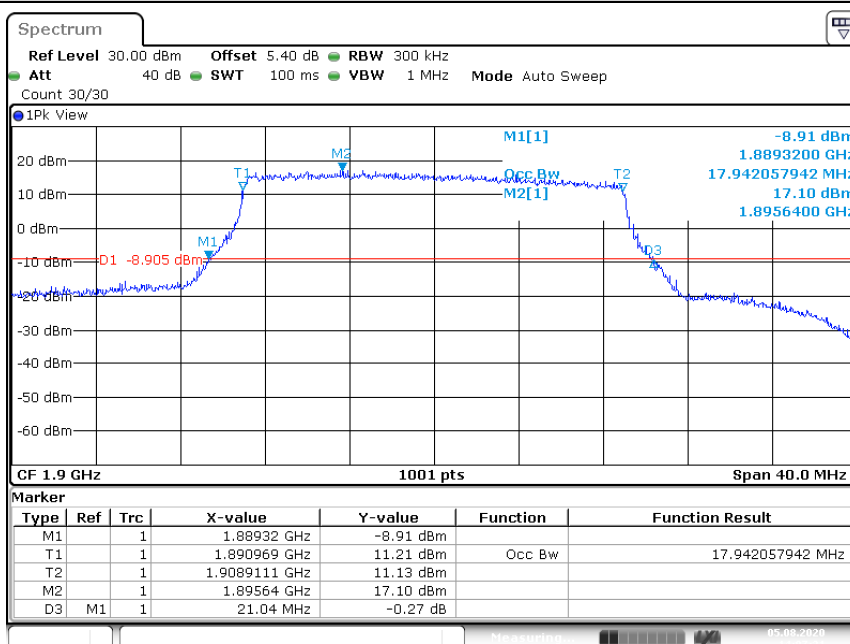


Band2-20MHz-QPSK-18900-100RB#0-17.942



Date: 5.AUG.2020 14:07:18

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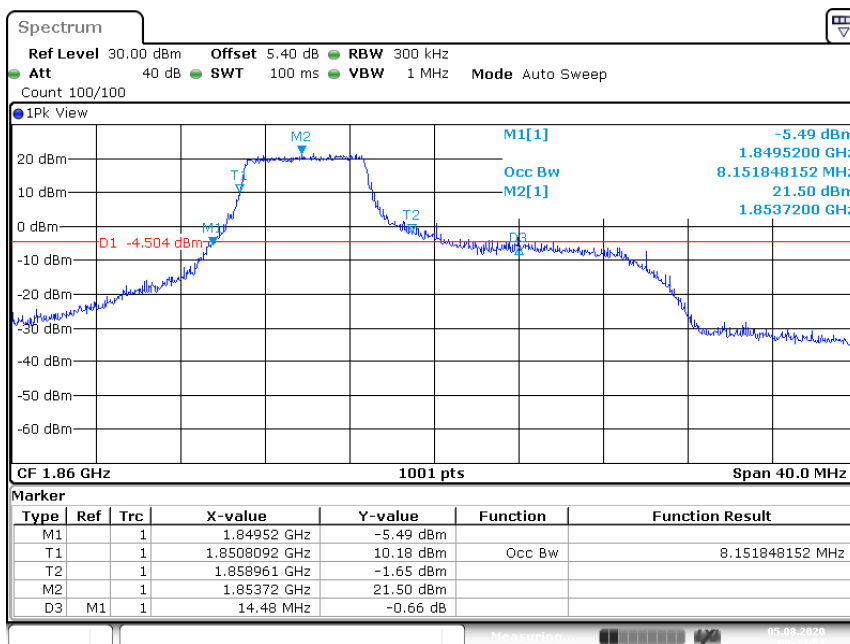


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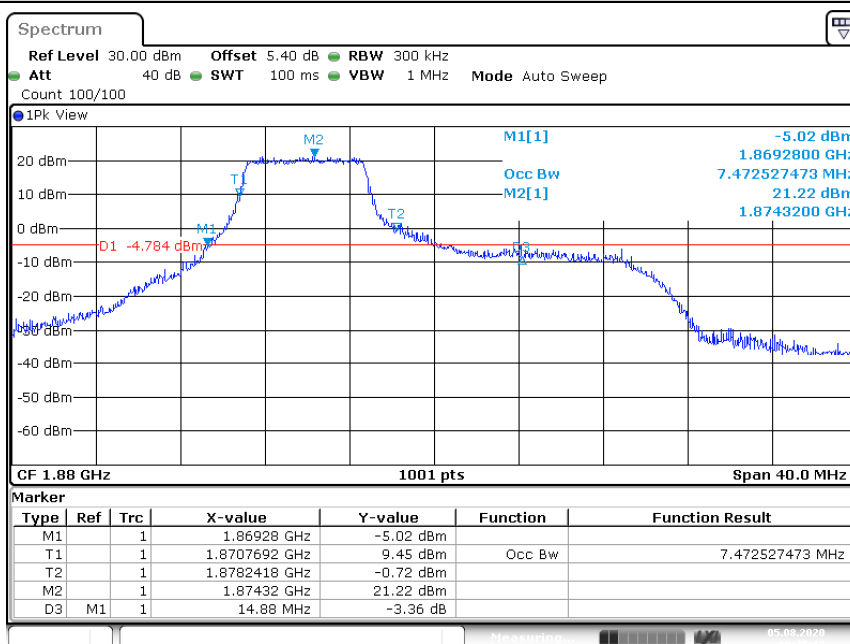


Band2-20MHz-16QAM-18700-32RB#0-8.152



Date: 5.AUG.2020 09:24:52

Band2-20MHz-16QAM-18900-32RB#0-7.473



Date: 5.AUG.2020 09:25:12



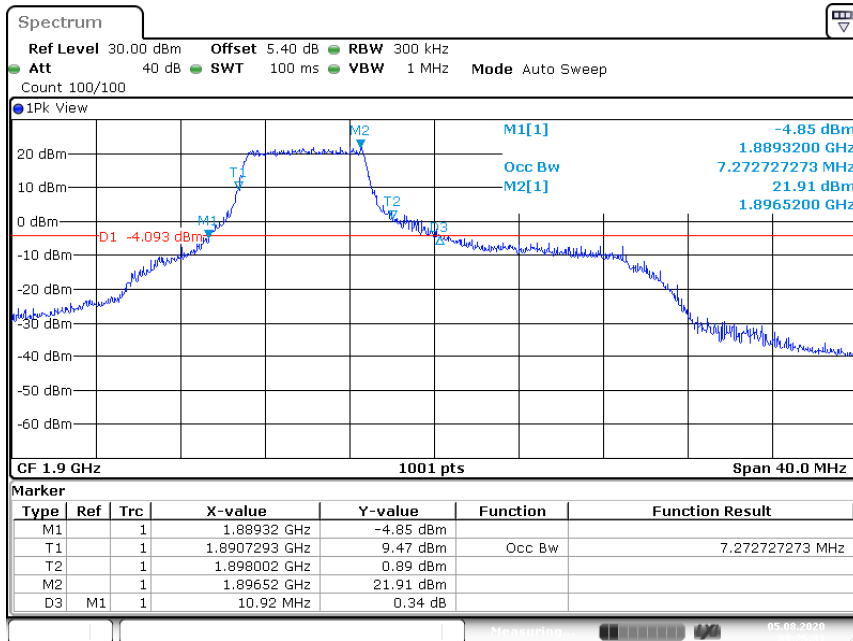
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Band2-20MHz-16QAM-19100-32RB#0-7.273



Date: 5.AUG.2020 09:25:32





5. Band Edge Compliance

5.1. Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band2 | 1.4MHz | QPSK | 18607 | 1RB#0 | -16.13 | PASS |
| Band2 | 1.4MHz | QPSK | 18607 | 6RB#0 | -19.38 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 1RB#5 | -15.12 | PASS |
| Band2 | 1.4MHz | QPSK | 19193 | 6RB#0 | -20.13 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 1RB#0 | -15.77 | PASS |
| Band2 | 1.4MHz | 16QAM | 18607 | 6RB#0 | -19.55 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 1RB#5 | -15.10 | PASS |
| Band2 | 1.4MHz | 16QAM | 19193 | 6RB#0 | -20.81 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 1RB#0 | -15.04 | PASS |
| Band2 | 3MHz | QPSK | 18615 | 15RB#0 | -22.22 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 1RB#14 | -18.03 | PASS |
| Band2 | 3MHz | QPSK | 19185 | 15RB#0 | -23.78 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 1RB#0 | -15.52 | PASS |
| Band2 | 3MHz | 16QAM | 18615 | 15RB#0 | -24.08 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 1RB#14 | -15.54 | PASS |
| Band2 | 3MHz | 16QAM | 19185 | 15RB#0 | -24.18 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 1RB#0 | -15.28 | PASS |
| Band2 | 5MHz | QPSK | 18625 | 25RB#0 | -26.89 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 1RB#24 | -15.93 | PASS |
| Band2 | 5MHz | QPSK | 19175 | 25RB#0 | -27.26 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 1RB#0 | -16.26 | PASS |
| Band2 | 5MHz | 16QAM | 18625 | 25RB#0 | -27.44 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 1RB#24 | -15.95 | PASS |
| Band2 | 5MHz | 16QAM | 19175 | 25RB#0 | -28.09 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 1RB#0 | -28.85 | PASS |
| Band2 | 10MHz | QPSK | 18650 | 50RB#0 | -33.48 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 1RB#49 | -29.28 | PASS |
| Band2 | 10MHz | QPSK | 19150 | 50RB#0 | -31.80 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0 | -28.20 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 32RB#0 | -28.32 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#49 | -30.40 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#31 | -45.00 | PASS |



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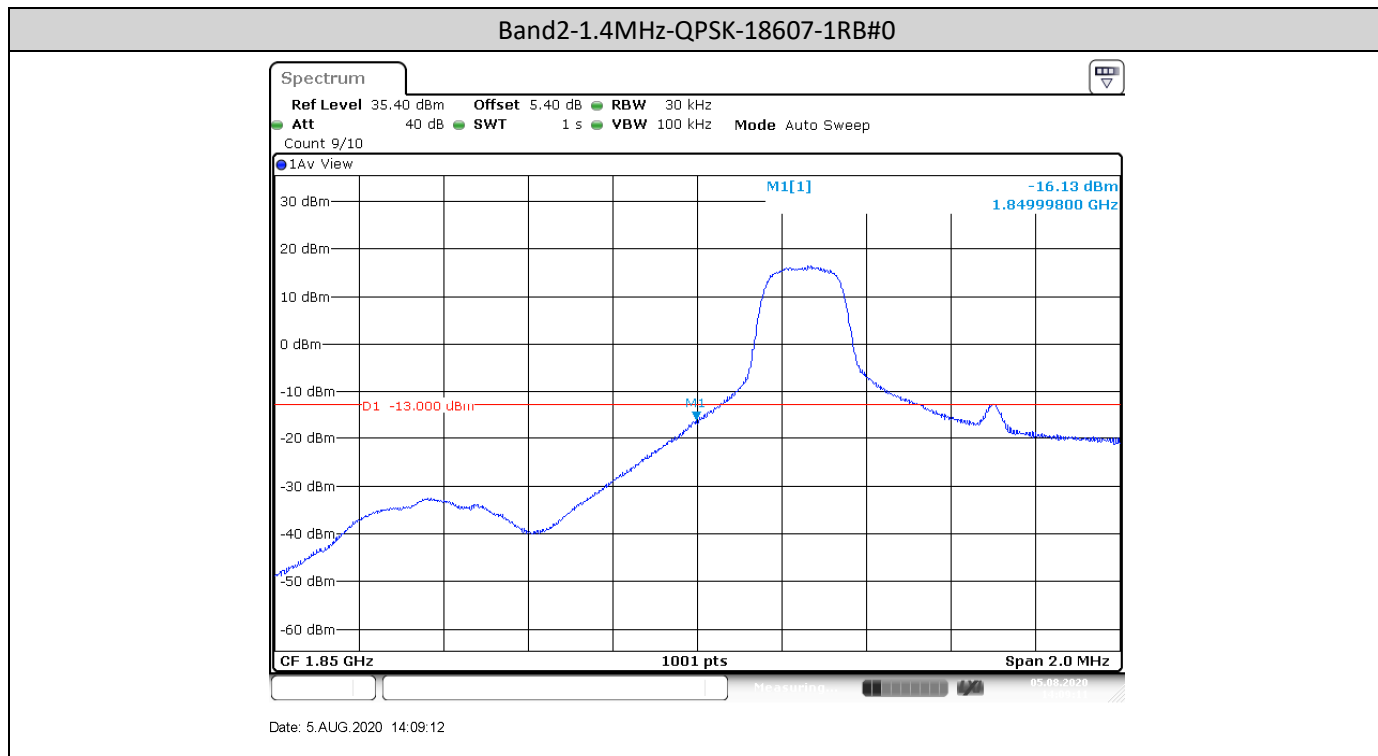
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| | | | | | | |
|-------|-------|-------|-------|---------|--------|------|
| Band2 | 10MHz | 16QAM | 19150 | 32RB#18 | -29.09 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 1RB#0 | -24.36 | PASS |
| Band2 | 15MHz | QPSK | 18675 | 75RB#0 | -24.69 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 1RB#74 | -14.24 | PASS |
| Band2 | 15MHz | QPSK | 19125 | 75RB#0 | -25.86 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0 | -14.30 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 32RB#0 | -20.65 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#74 | -14.17 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 32RB#43 | -23.39 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 1RB#0 | -14.72 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | -25.34 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 1RB#99 | -15.33 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | -25.93 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0 | -14.32 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | -21.38 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#99 | -16.49 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#68 | -23.69 | PASS |

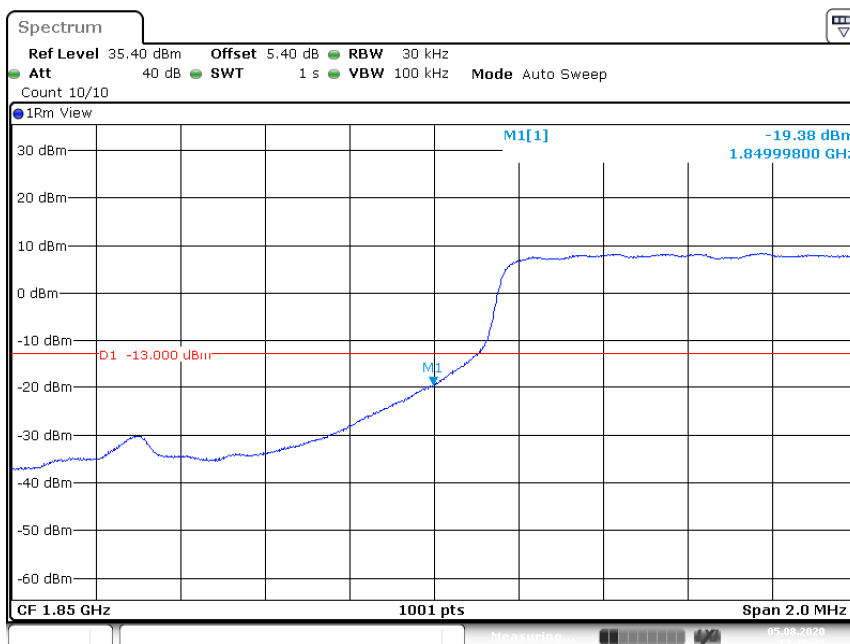
5.2. Test Plots



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Band2-1.4MHz-QPSK-18607-6RB#0



Date: 5.AUG.2020 14:10:42

Band2-1.4MHz-QPSK-19193-1RB#5



Date: 5.AUG.2020 14:09:57





Band2-1.4MHz-QPSK-19193-6RB#0



Date: 5.AUG.2020 14:11:03

Band2-1.4MHz-16QAM-18607-1RB#0



Date: 27.JUL.2020 19:13:20



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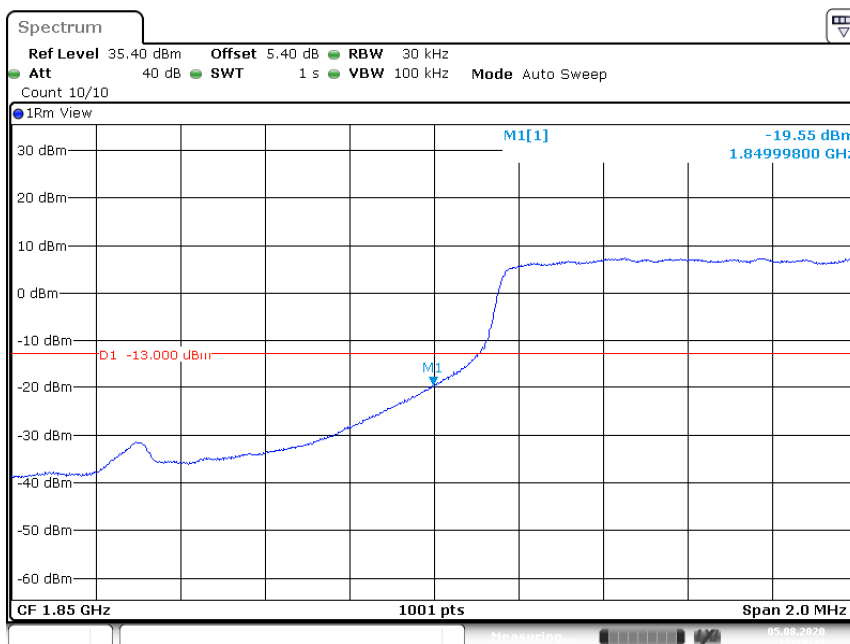
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Band2-1.4MHz-16QAM-18607-6RB#0



Date: 5.AUG.2020 12:29:25

Band2-1.4MHz-16QAM-19193-1RB#5



Date: 5.AUG.2020 12:28:40



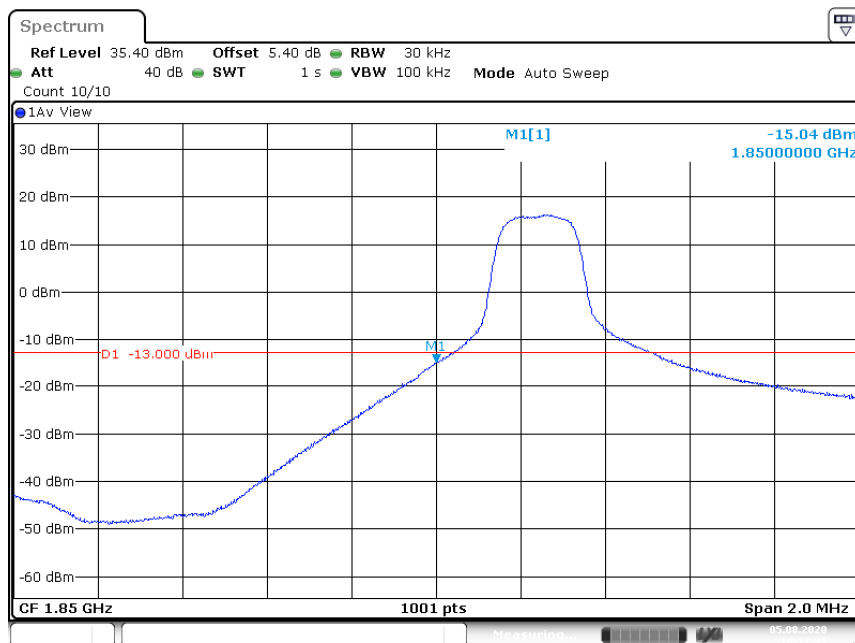


Band2-1.4MHz-16QAM-19193-6RB#0



Date: 5.AUG.2020 12:29:46

Band2-3MHz-QPSK-18615-1RB#0

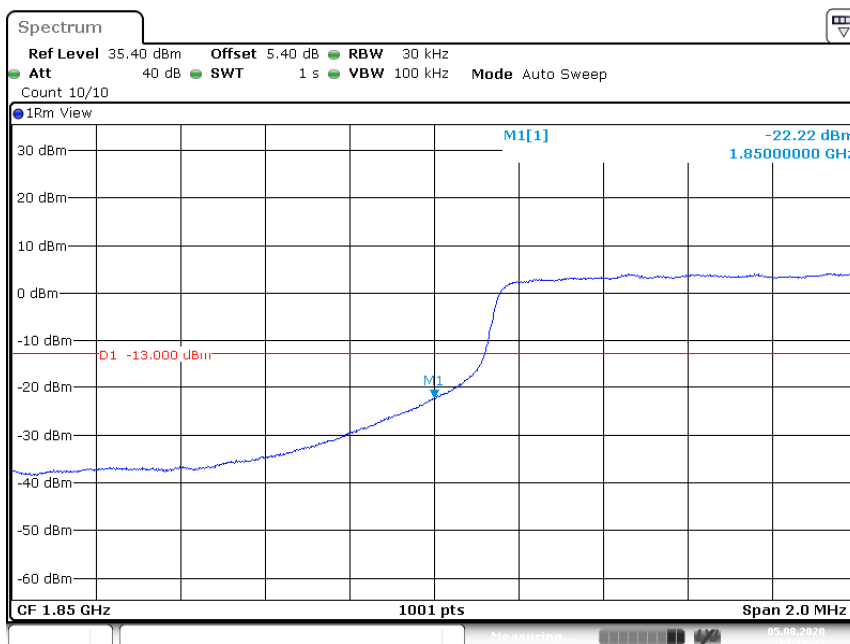


Date: 5.AUG.2020 14:11:49



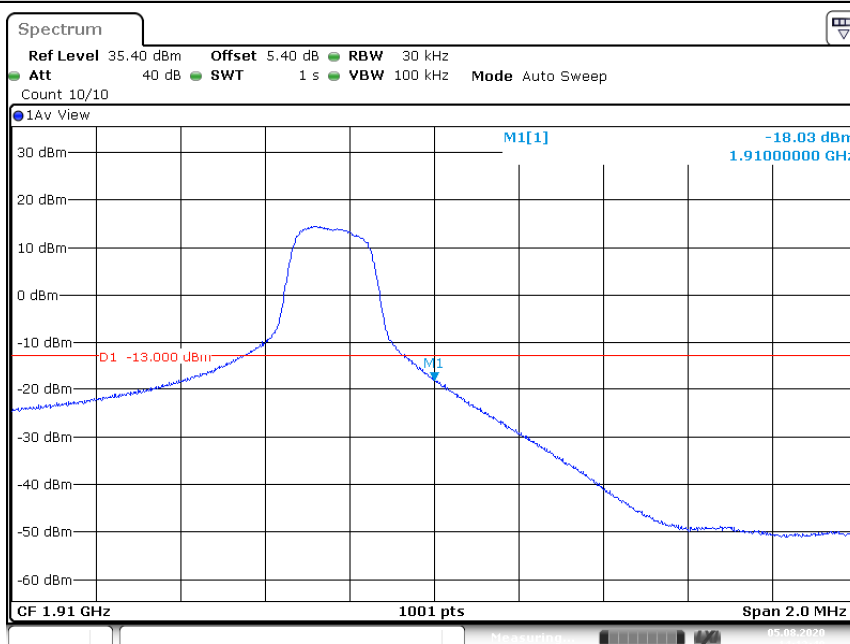


Band2-3MHz-QPSK-18615-15RB#0



Date: 5.AUG.2020 14:13:35

Band2-3MHz-QPSK-19185-1RB#14



Date: 5.AUG.2020 14:12:50



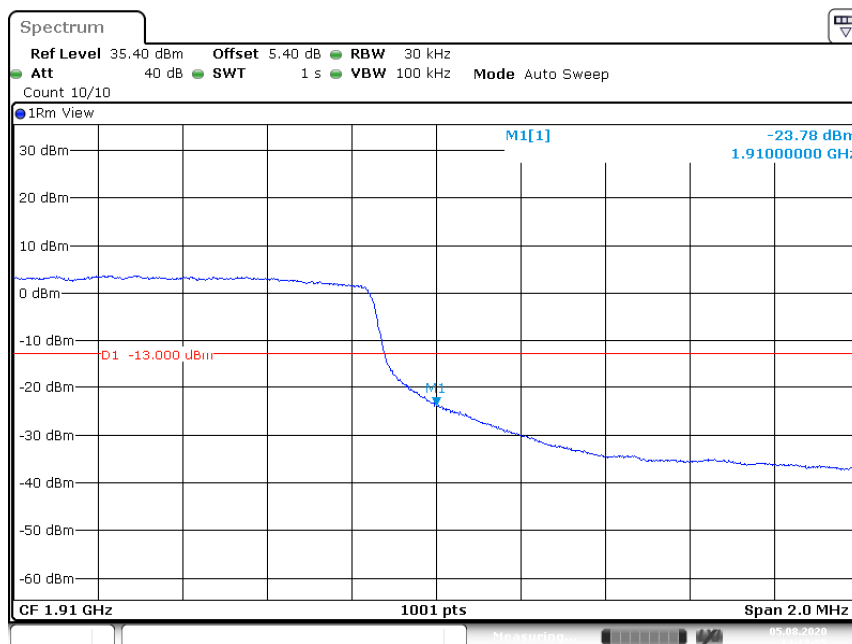
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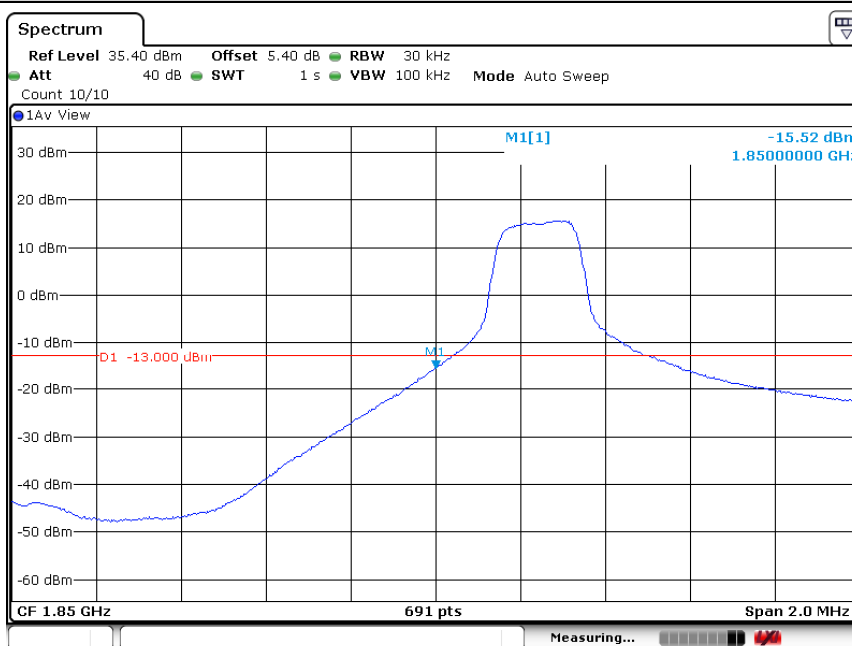


Band2-3MHz-QPSK-19185-15RB#0



Date: 5.AUG.2020 14:13:56

Band2-3MHz-16QAM-18615-1RB#0



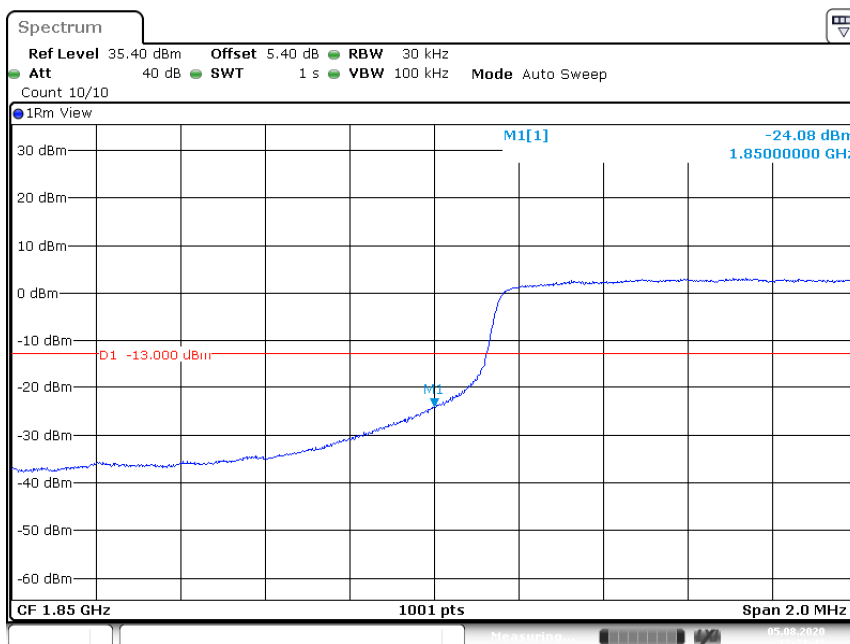
Date: 6.AUG.2020 19:50:35



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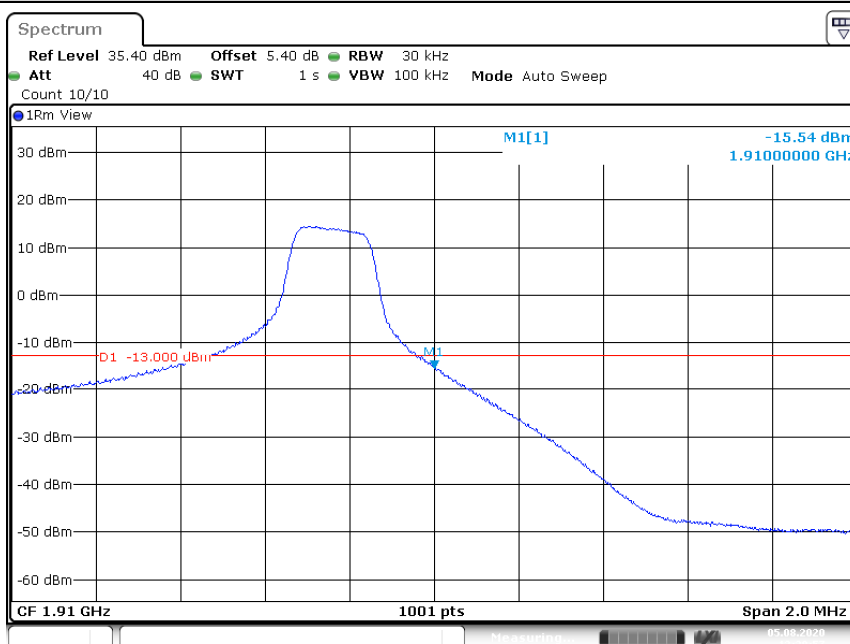


Band2-3MHz-16QAM-18615-15RB#0



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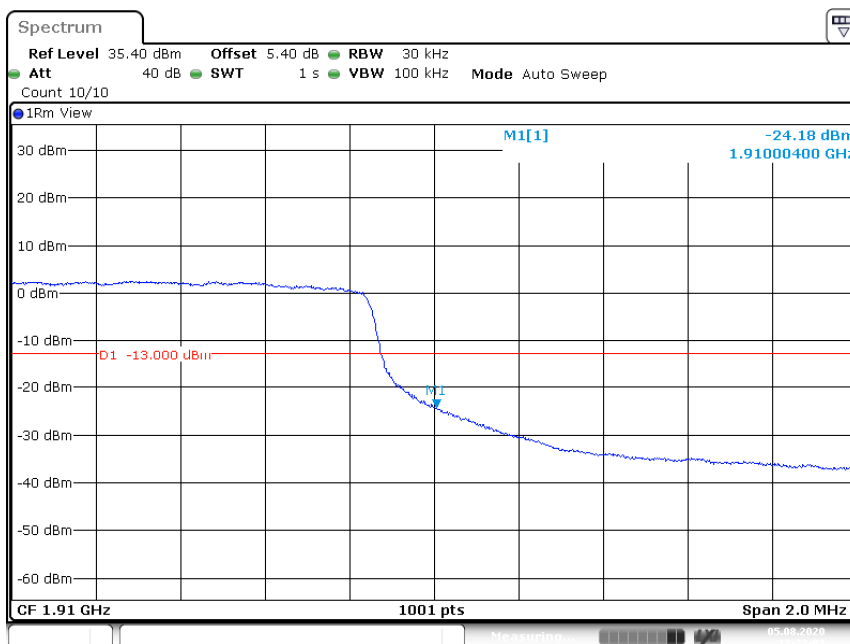


Date: 5.AUG.2020 12:30:57





Band2-3MHz-16QAM-19185-15RB#0



Date: 5.AUG.2020 12:32:03

Band2-5MHz-QPSK-18625-1RB#0

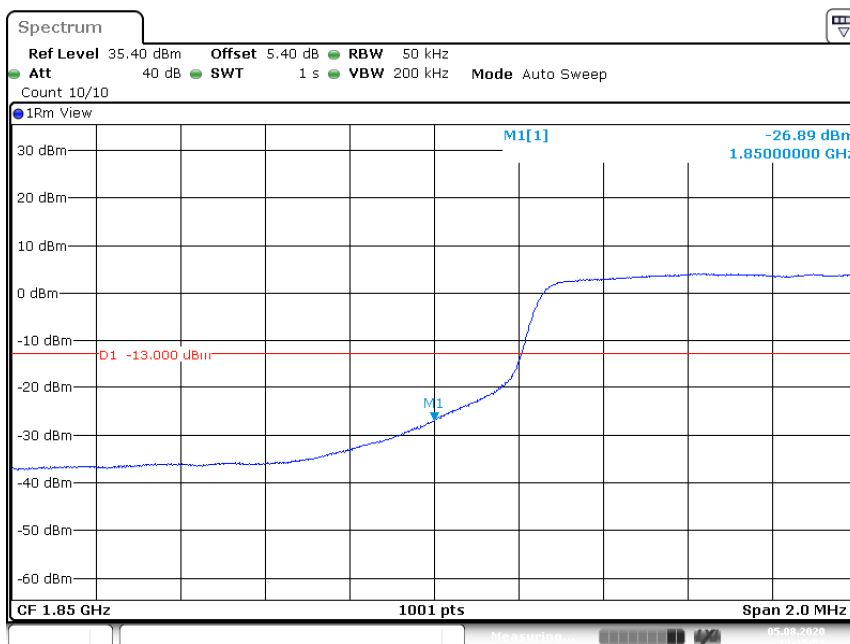


Date: 5.AUG.2020 14:14:22





Band2-5MHz-QPSK-18625-25RB#0



Date: 5.AUG.2020 14:15:53

Band2-5MHz-QPSK-19175-1RB#24



Date: 5.AUG.2020 14:15:07

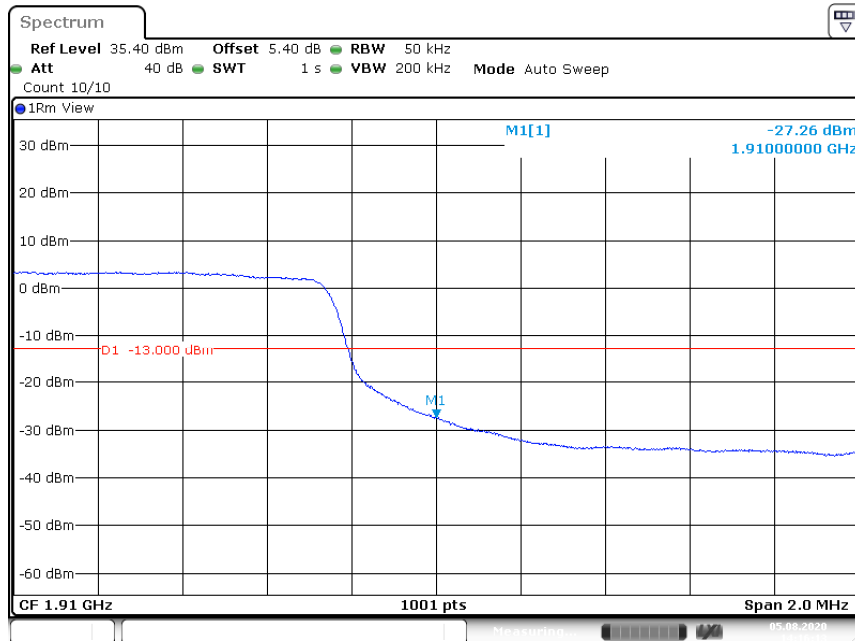


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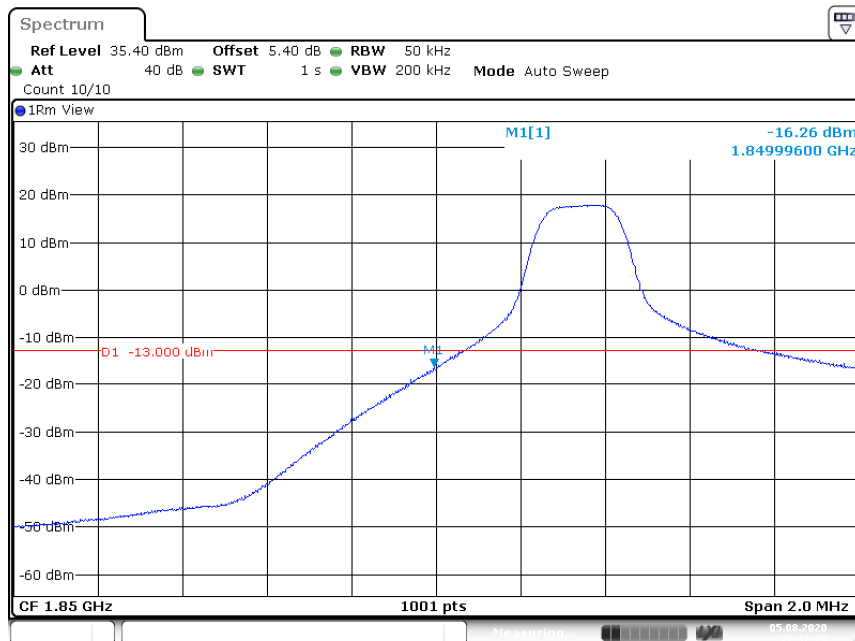
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Band2-5MHz-QPSK-19175-25RB#0



Date: 5.AUG.2020 14:16:14

Band2-5MHz-16QAM-18625-1RB#0

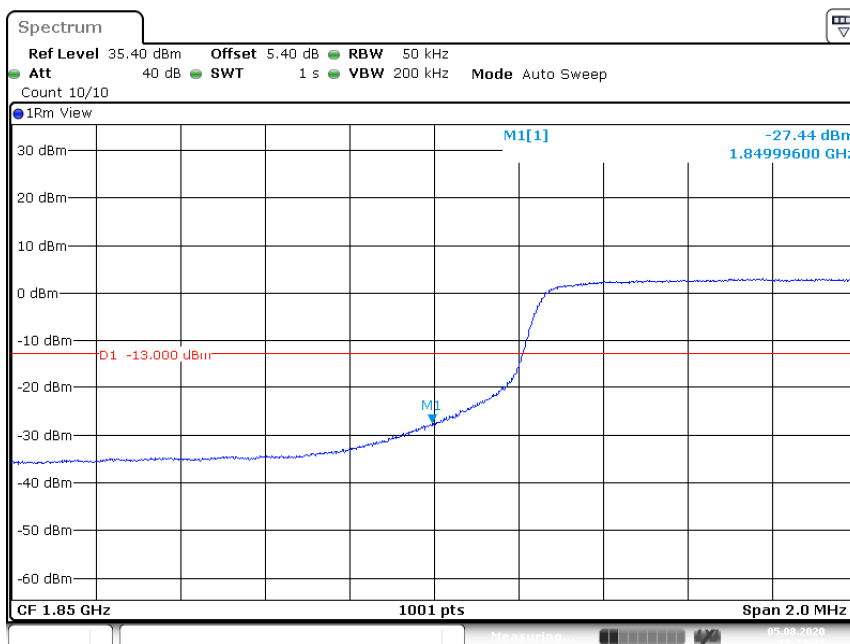


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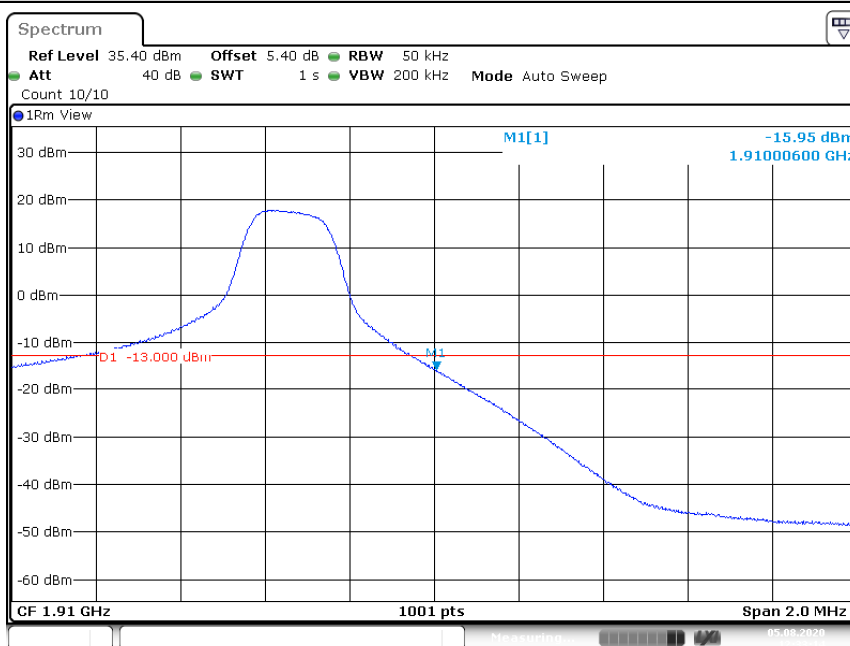


Band2-5MHz-16QAM-18625-25RB#0



Date: 5.AUG.2020 12:32:49

Band2-5MHz-16QAM-19175-1RB#24



Date: 5.AUG.2020 12:33:14



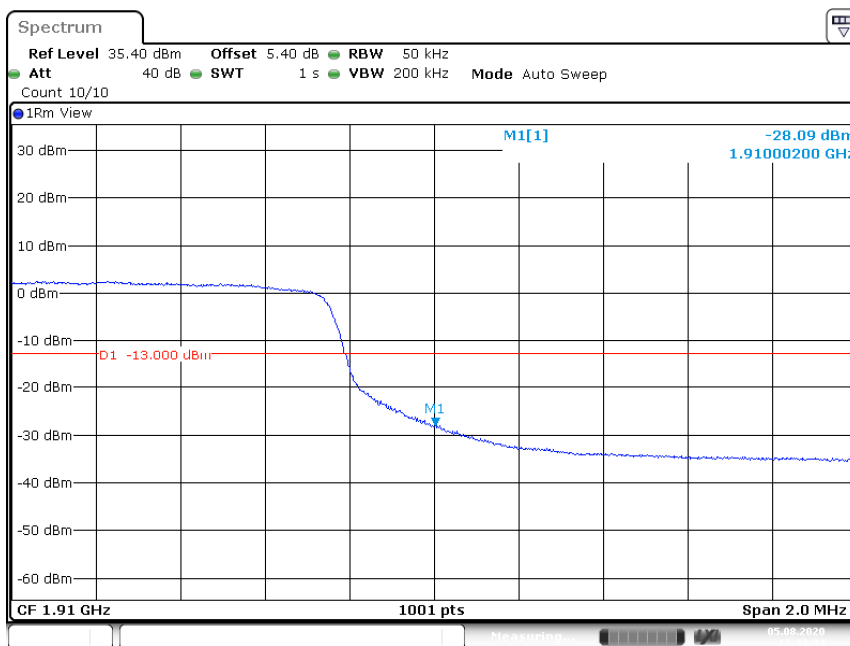
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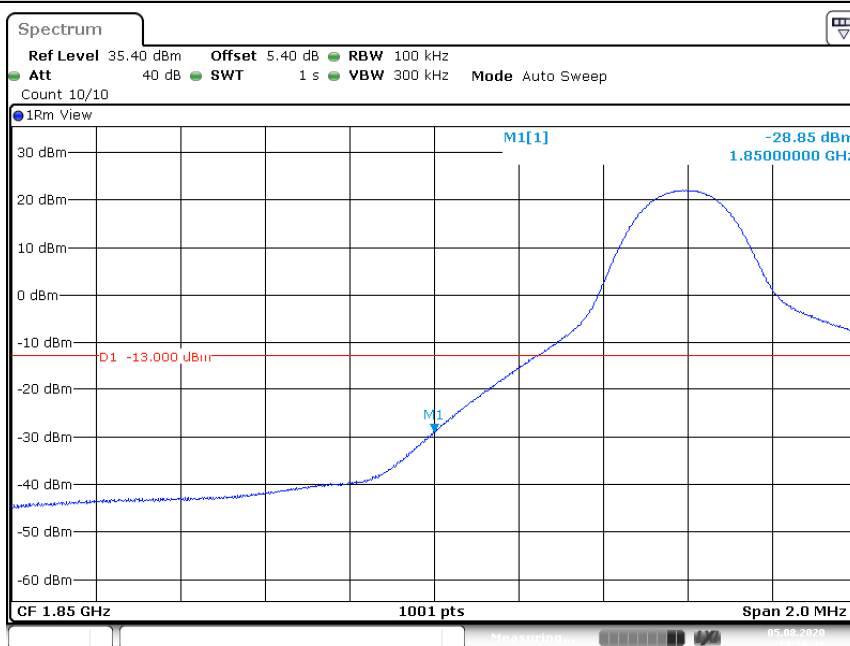


Band2-5MHz-16QAM-19175-25RB#0



Date: 5.AUG.2020 12:33:34

Band2-10MHz-QPSK-18650-1RB#0



Date: 5.AUG.2020 14:16:39



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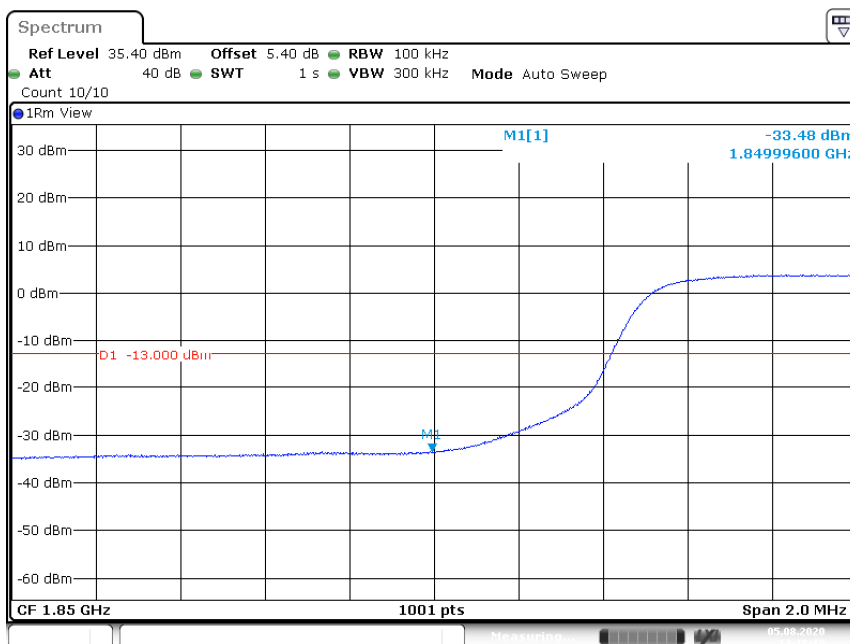
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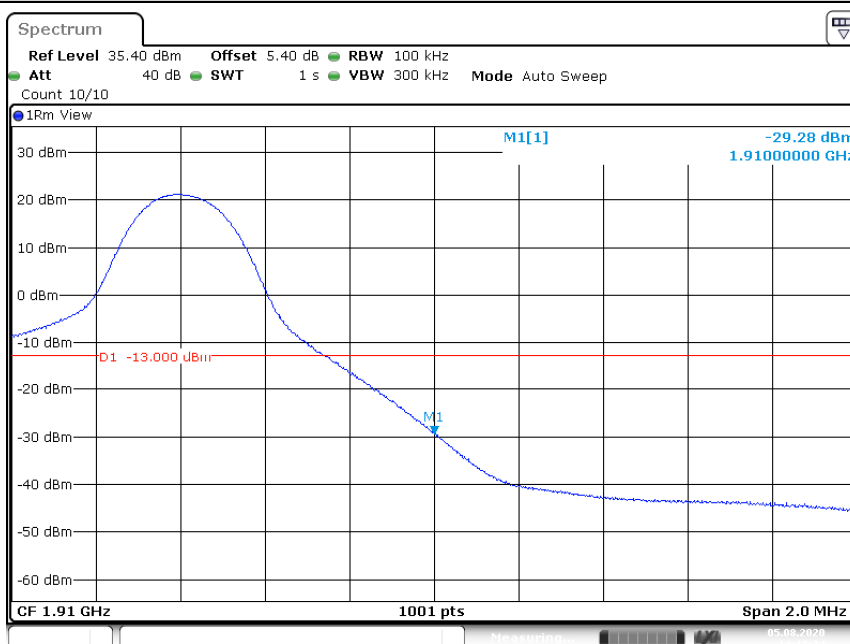


Band2-10MHz-QPSK-18650-50RB#0



Date: 5.AUG.2020 14:18:10

Band2-10MHz-QPSK-19150-1RB#49



Date: 5.AUG.2020 14:17:25



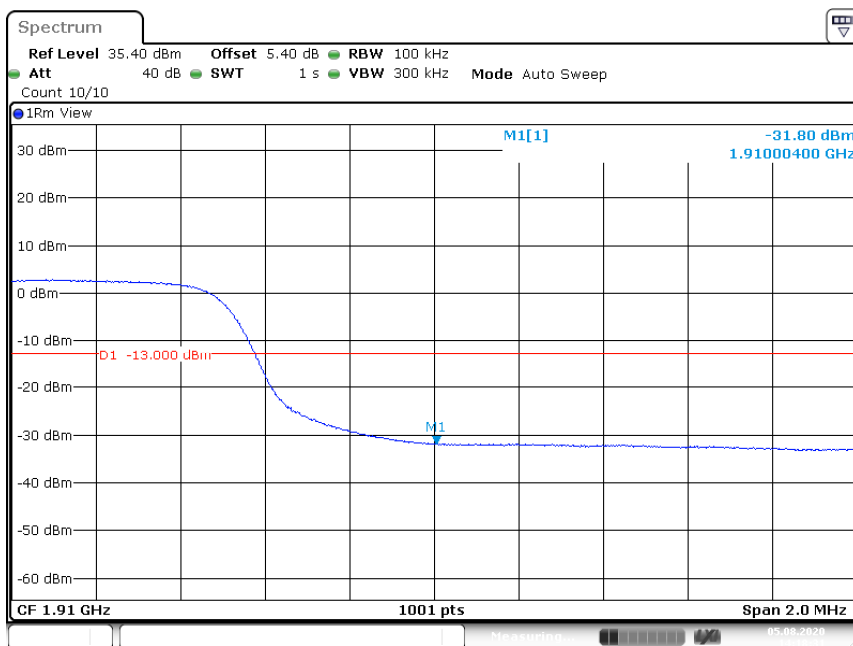
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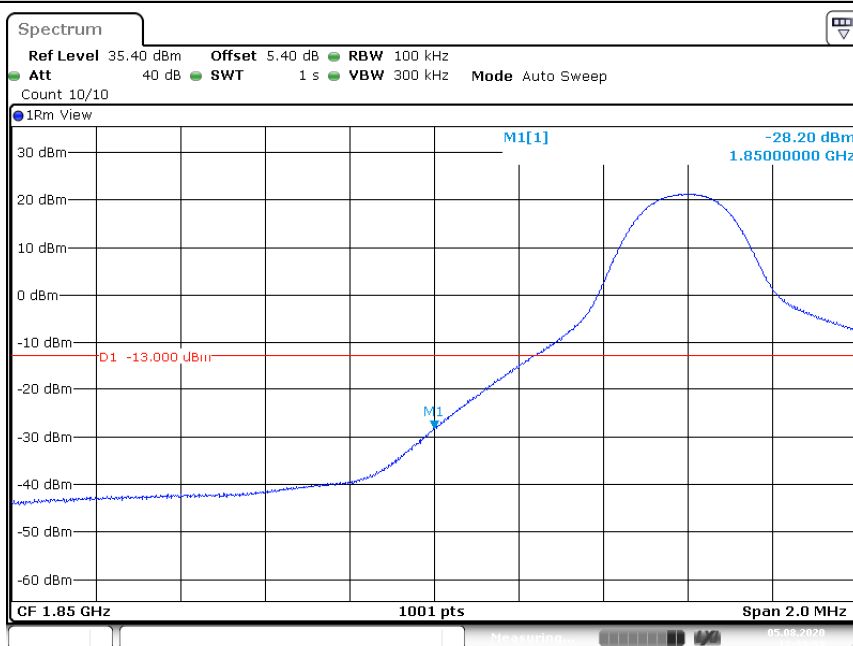


Band2-10MHz-QPSK-19150-50RB#0



Date: 5.AUG.2020 14:18:31

Band2-10MHz-16QAM-18650-1RB#0



Date: 5.AUG.2020 12:34:00

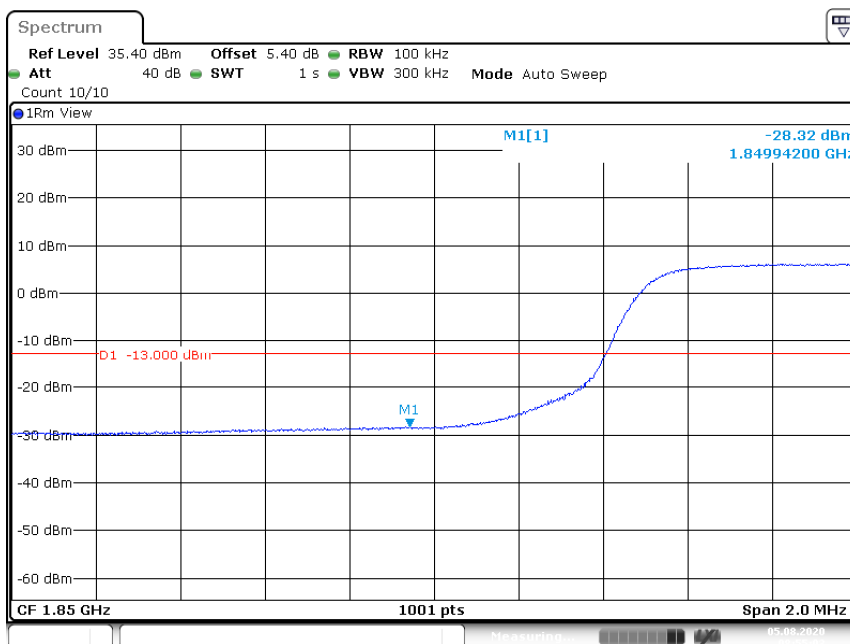


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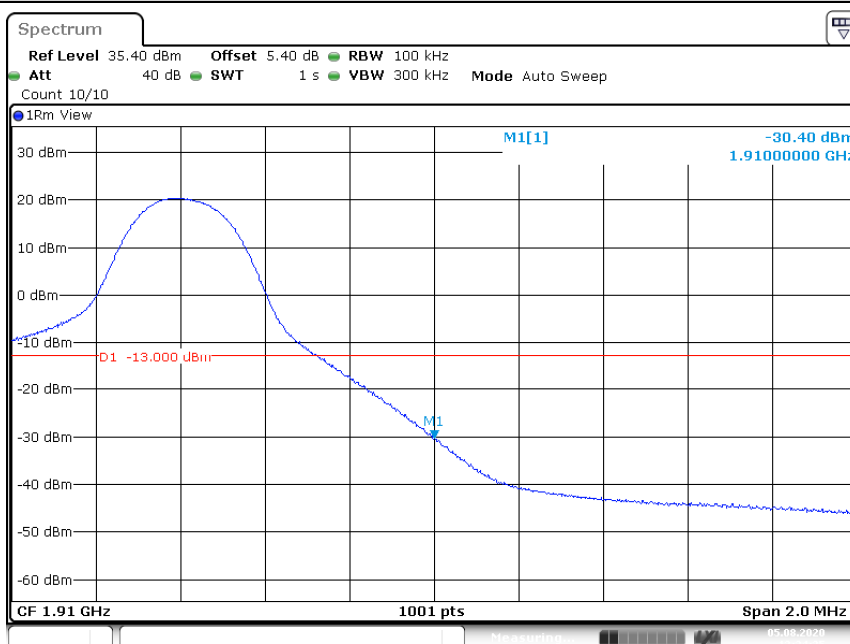


Band2-10MHz-16QAM-18650-32RB#0



Date: 5.AUG.2020 08:55:03

Band2-10MHz-16QAM-19150-1RB#49



Date: 5.AUG.2020 12:34:25

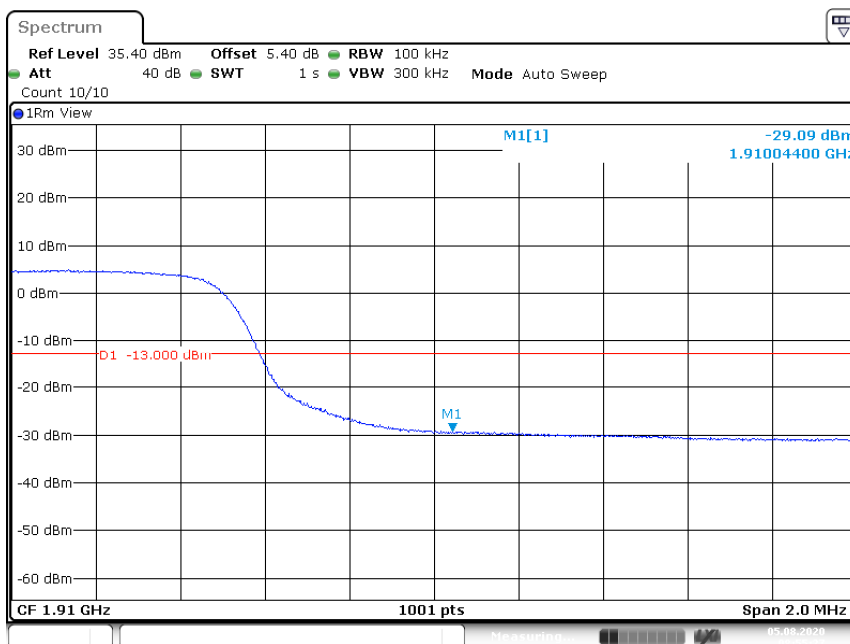


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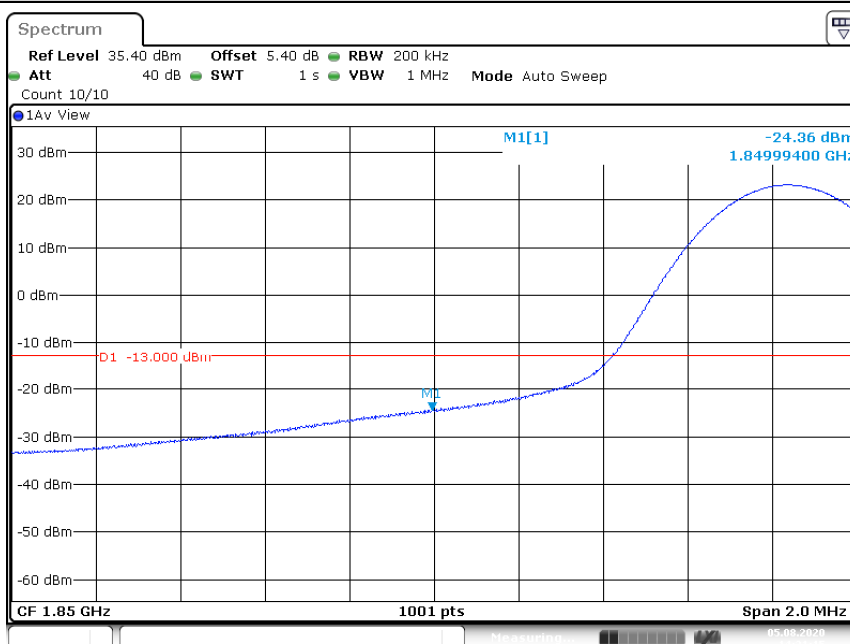


Band2-10MHz-16QAM-19150-32RB#18



Date: 5.AUG.2020 08:55:28

Band2-15MHz-QPSK-18675-1RB#0



Date: 5.AUG.2020 14:21:16



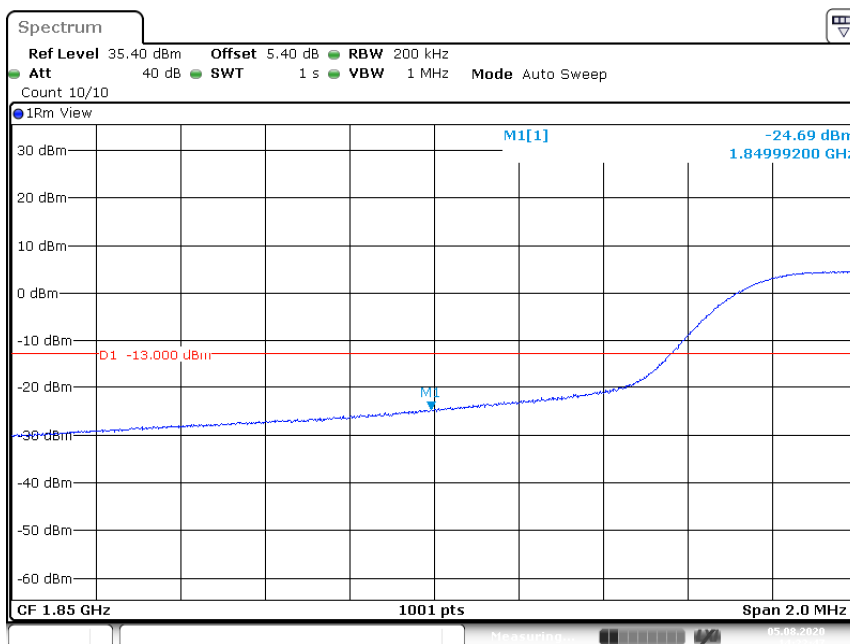
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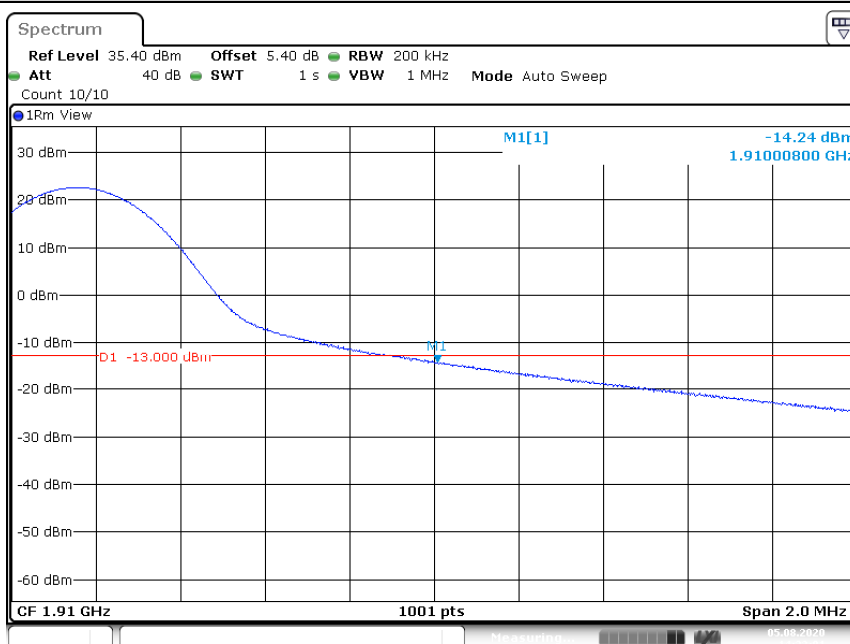


Band2-15MHz-QPSK-18675-75RB#0



Date: 5.AUG.2020 14:22:47

Band2-15MHz-QPSK-19125-1RB#74

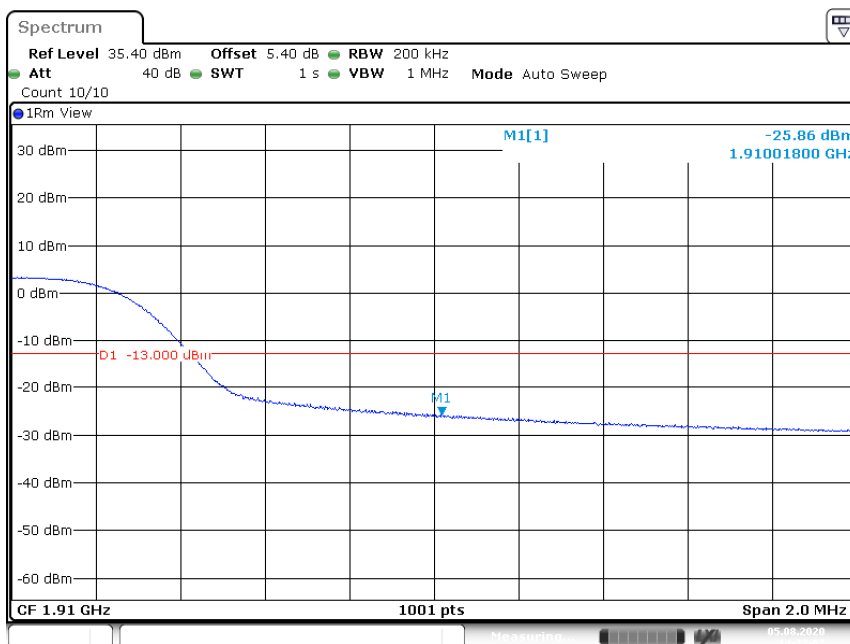


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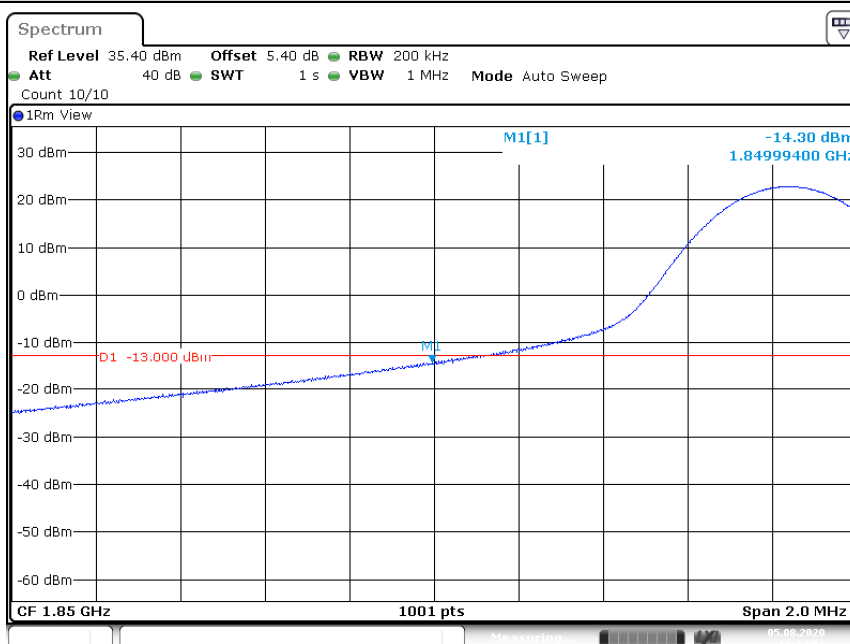


Band2-15MHz-QPSK-19125-75RB#0



Date: 5.AUG.2020 14:23:08

Band2-15MHz-16QAM-18675-1RB#0



Date: 5.AUG.2020 12:34:52



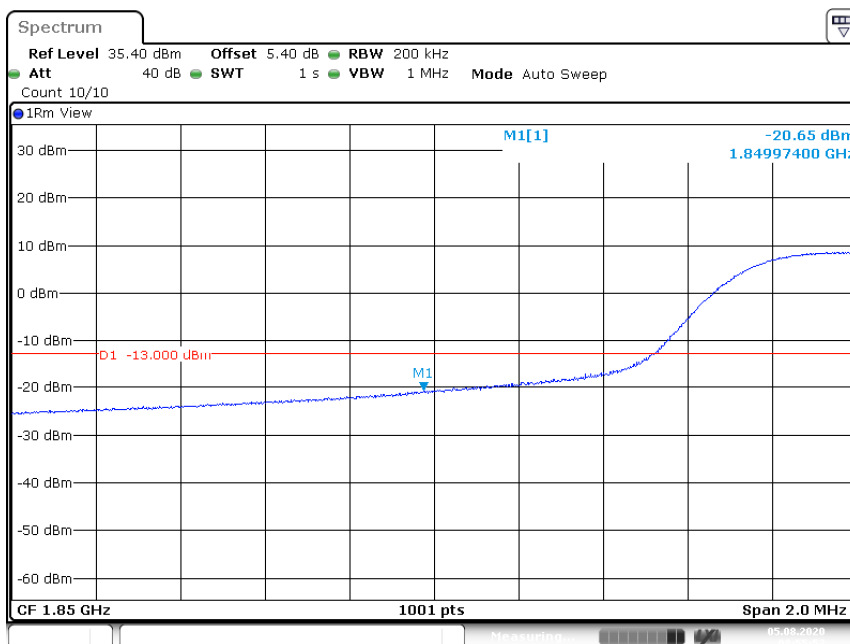
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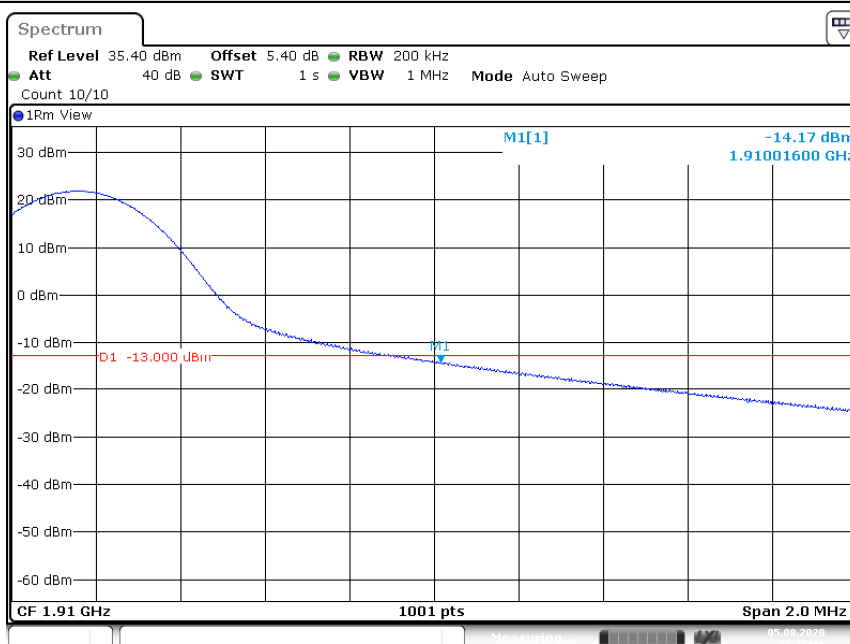


Band2-15MHz-16QAM-18675-32RB#0



Date: 5.AUG.2020 08:55:54

Band2-15MHz-16QAM-19125-1RB#74

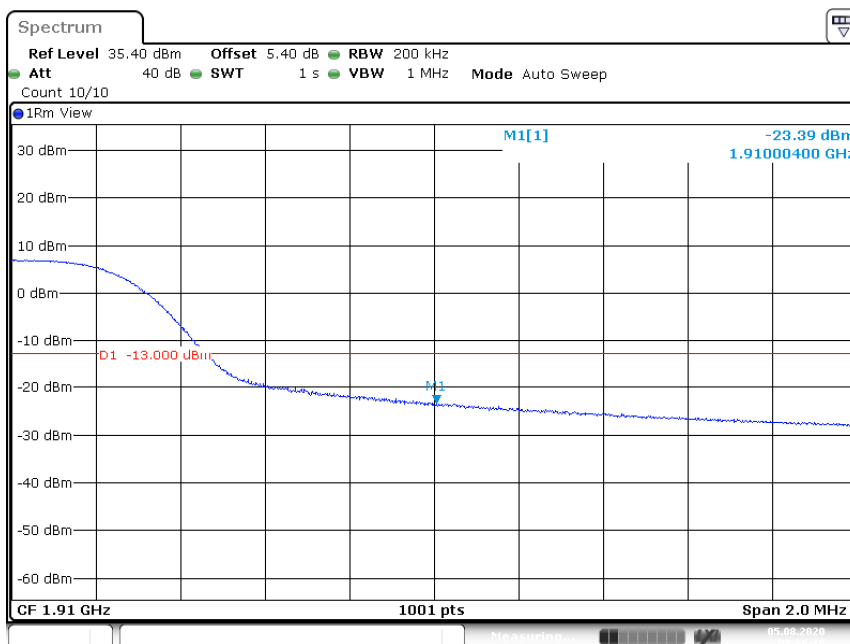


Date: 5.AUG.2020 12:35:17



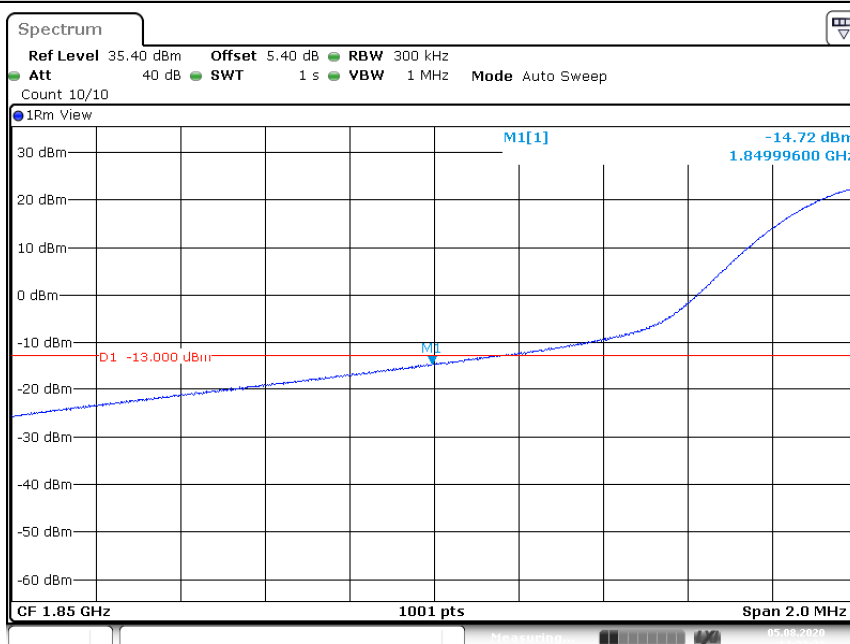


Band2-15MHz-16QAM-19125-32RB#43



Date: 5.AUG.2020 08:56:19

Band2-20MHz-QPSK-18700-1RB#0



Date: 5.AUG.2020 14:23:33



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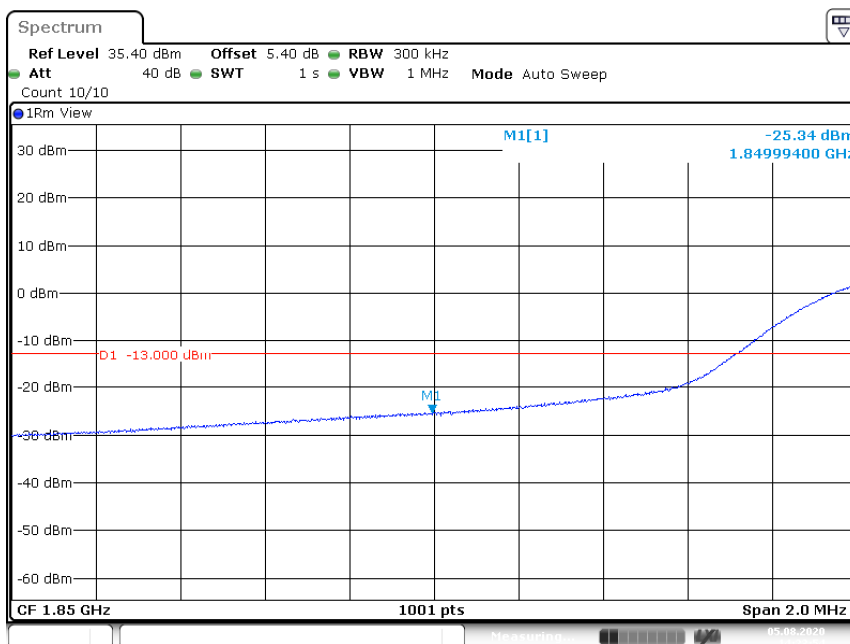
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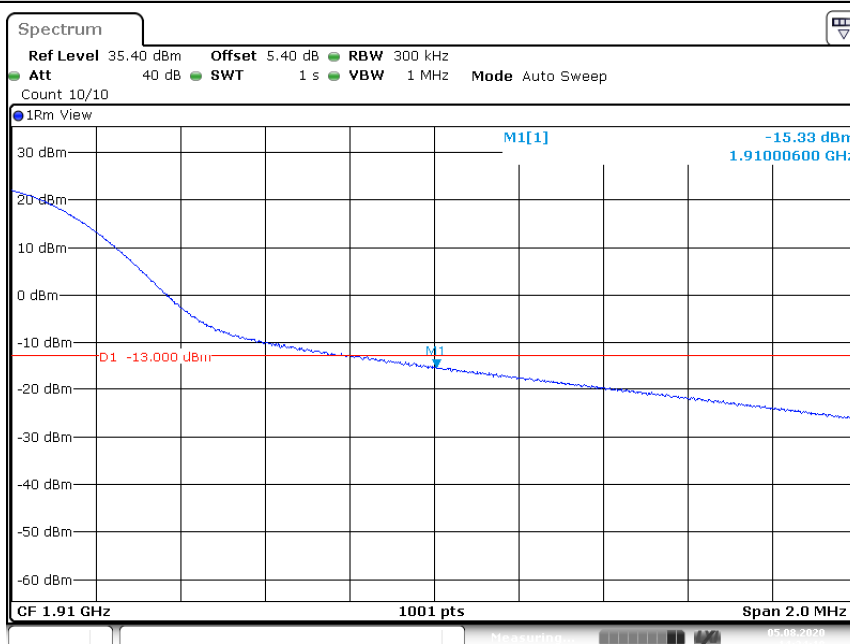


Band2-20MHz-QPSK-18700-100RB#0



Date: 5.AUG.2020 14:23:53

Band2-20MHz-QPSK-19100-1RB#99



Date: 5.AUG.2020 14:24:18



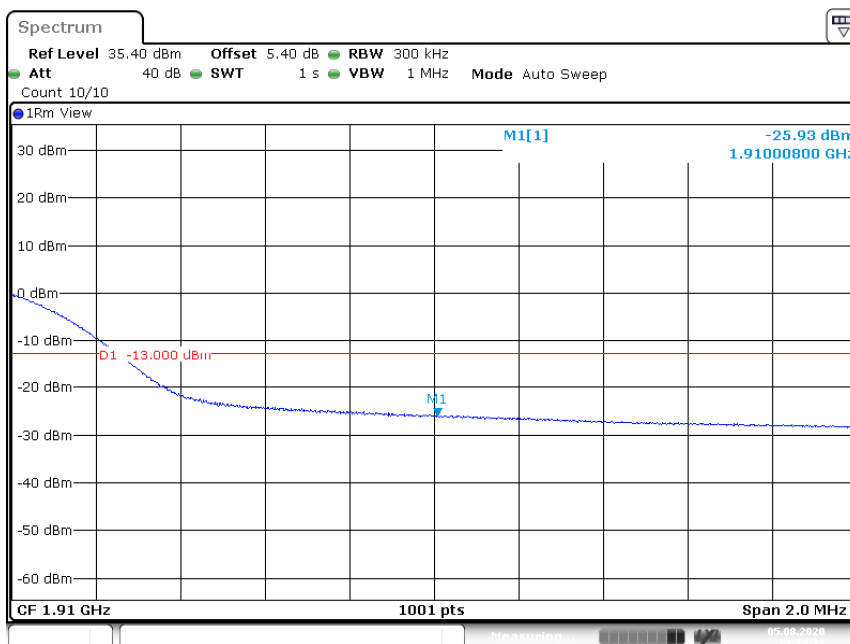
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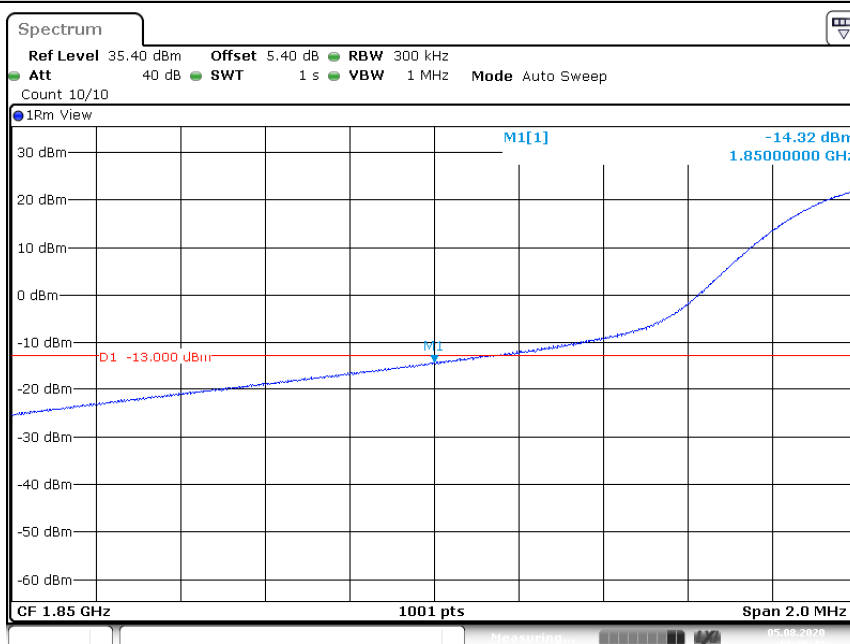


Band2-20MHz-QPSK-19100-100RB#0



Date: 5.AUG.2020 14:24:39

Band2-20MHz-16QAM-18700-1RB#0



Date: 5.AUG.2020 12:35:42



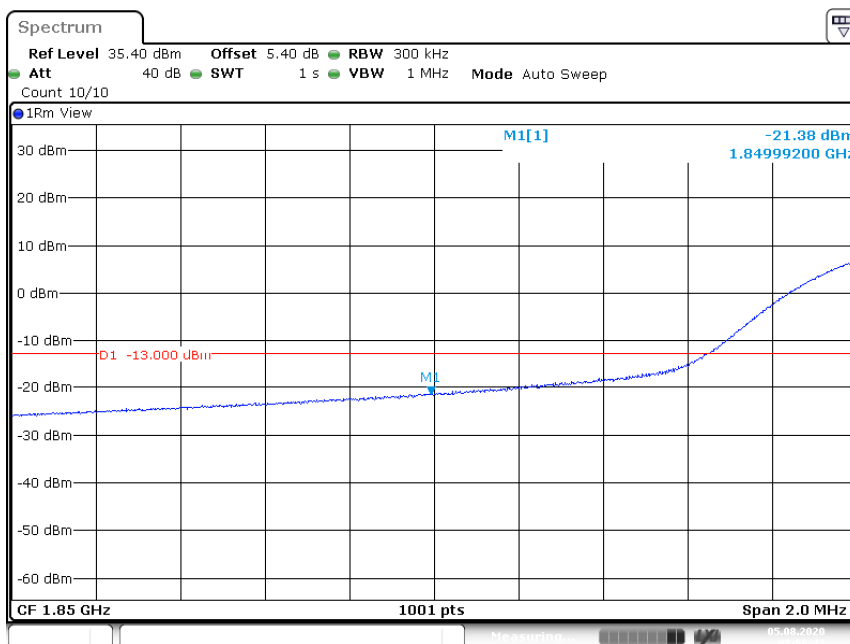
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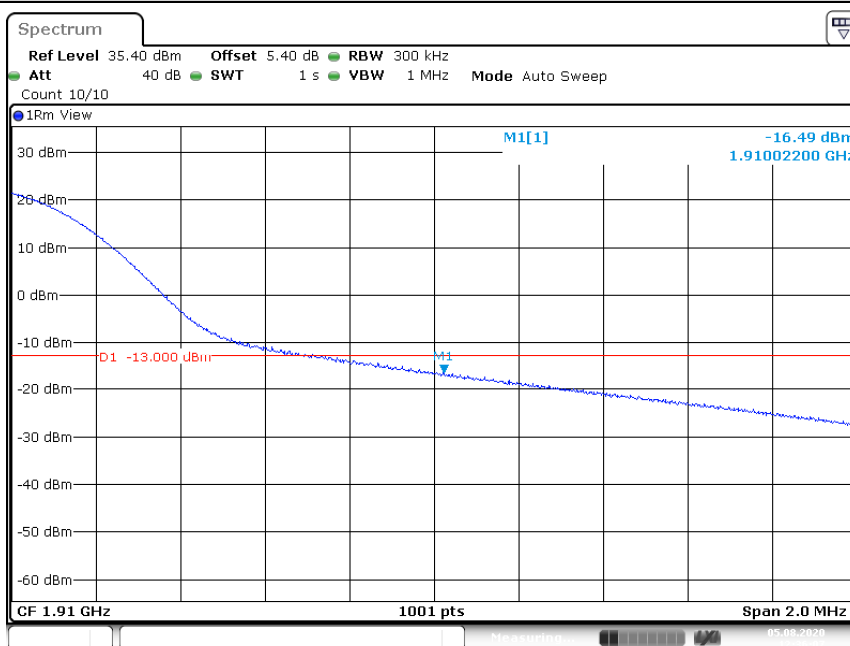


Band2-20MHz-16QAM-18700-32RB#0



Date: 5.AUG.2020 08:56:44

Band2-20MHz-16QAM-19100-1RB#99



Date: 5.AUG.2020 12:36:08



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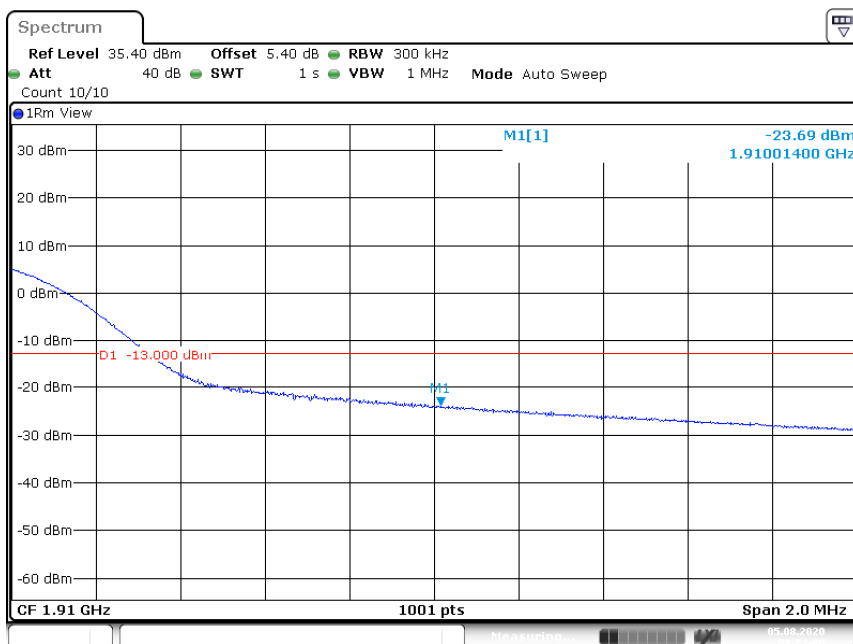
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Band2-20MHz-16QAM-19100-32RB#68



Date: 5.AUG.2020 08:57:09



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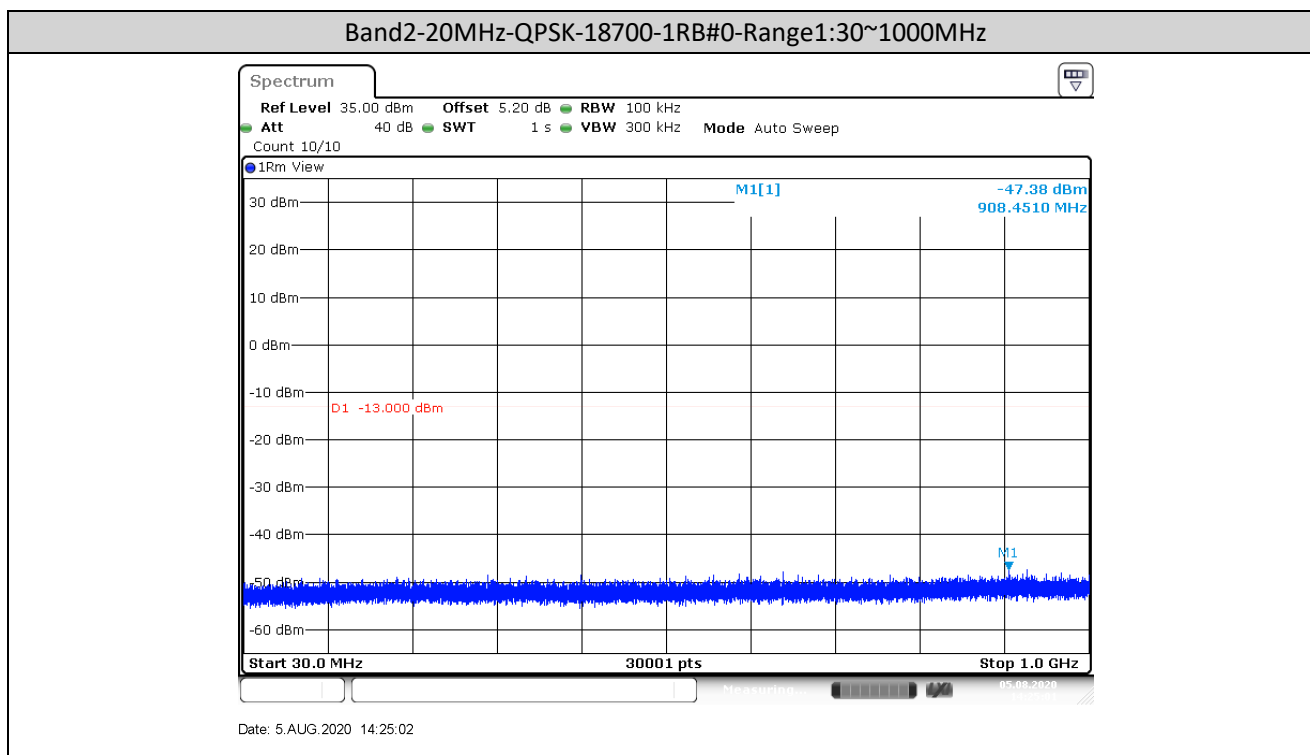
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6. Spurious Emission at Antenna Terminal

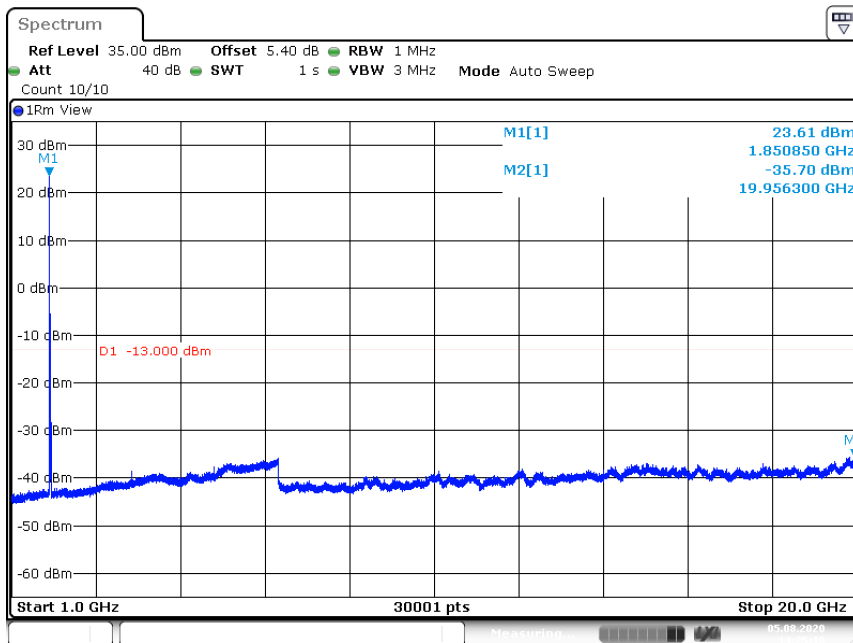
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots

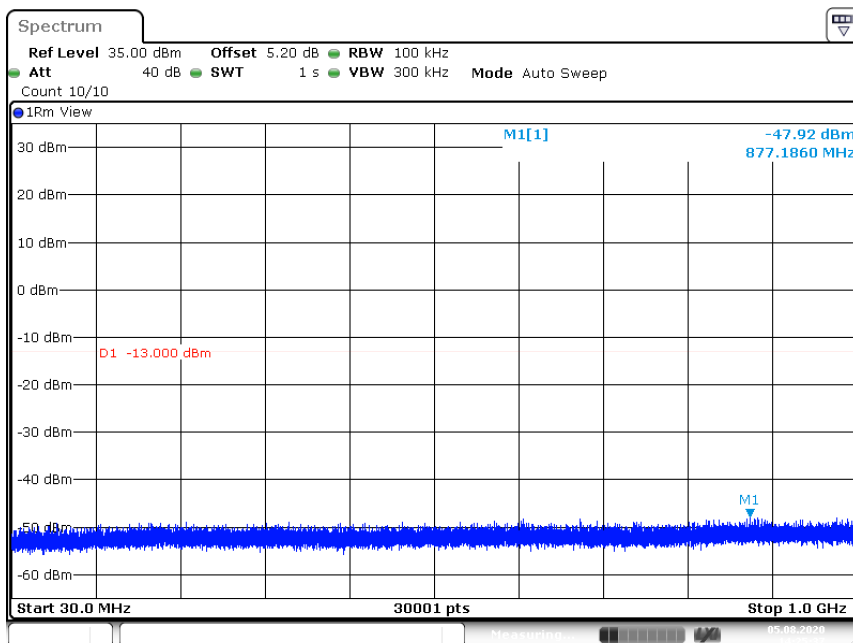


Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 14:25:18

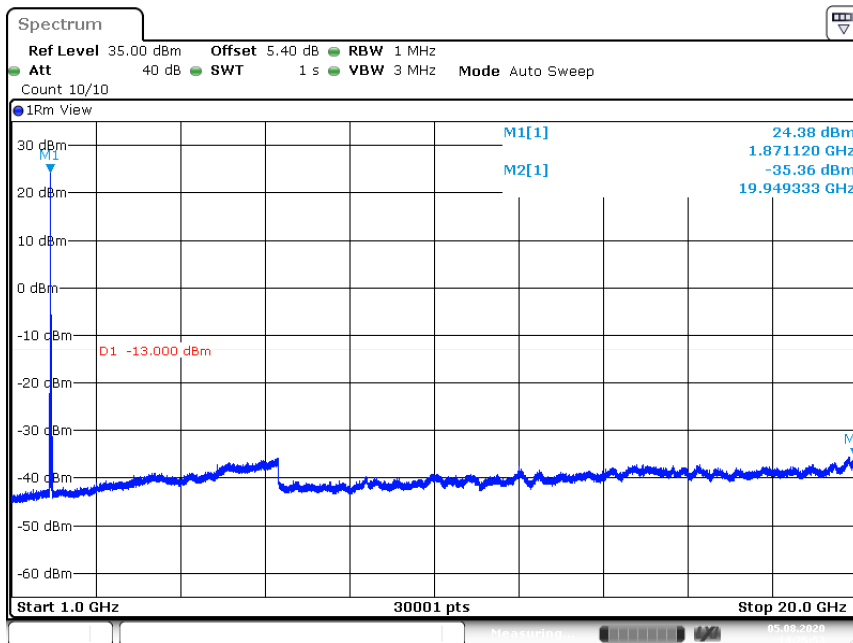
Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



Date: 5.AUG.2020 14:25:37

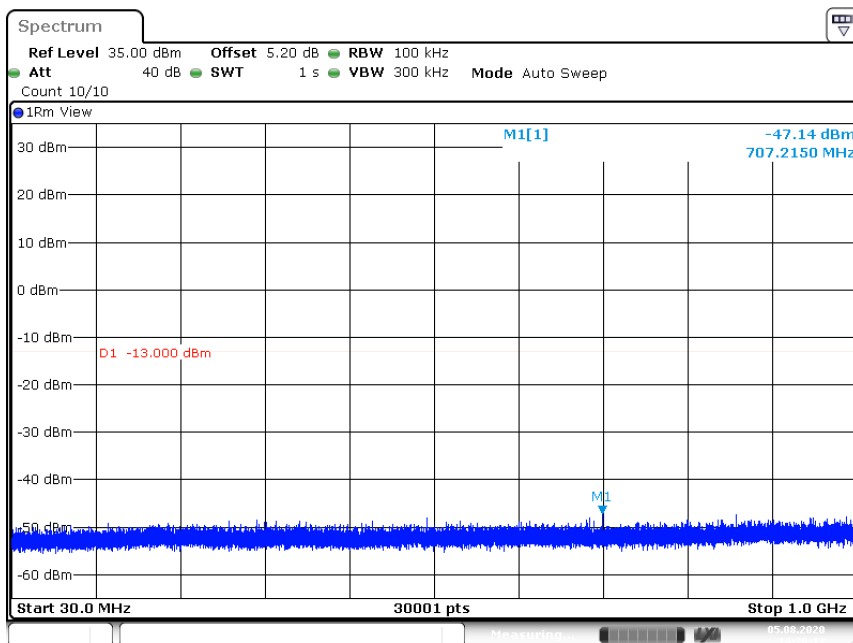


Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 14:25:53

Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



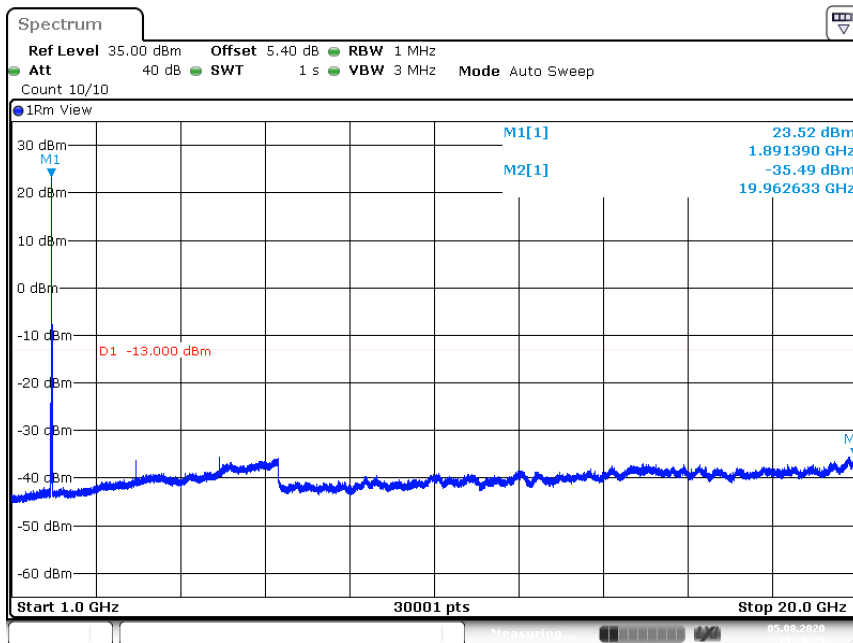
Date: 5.AUG.2020 14:26:12



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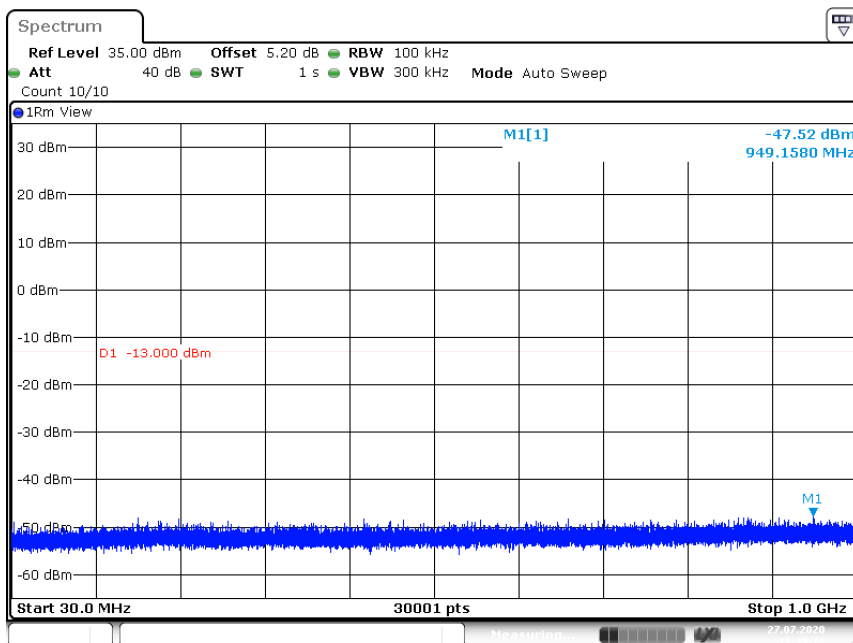
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Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



Date: 5.AUG.2020 14:26:29

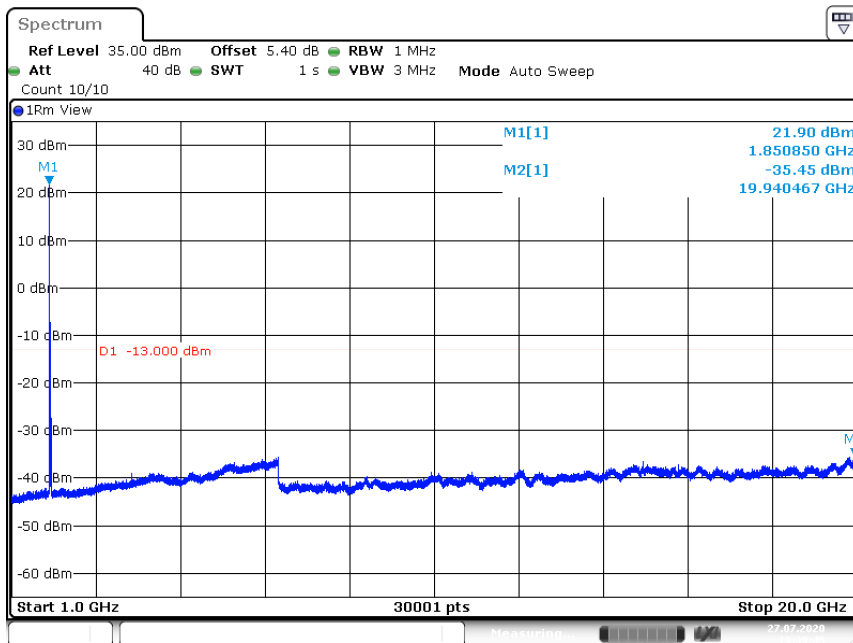
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



Date: 27.JUL.2020 19:39:29

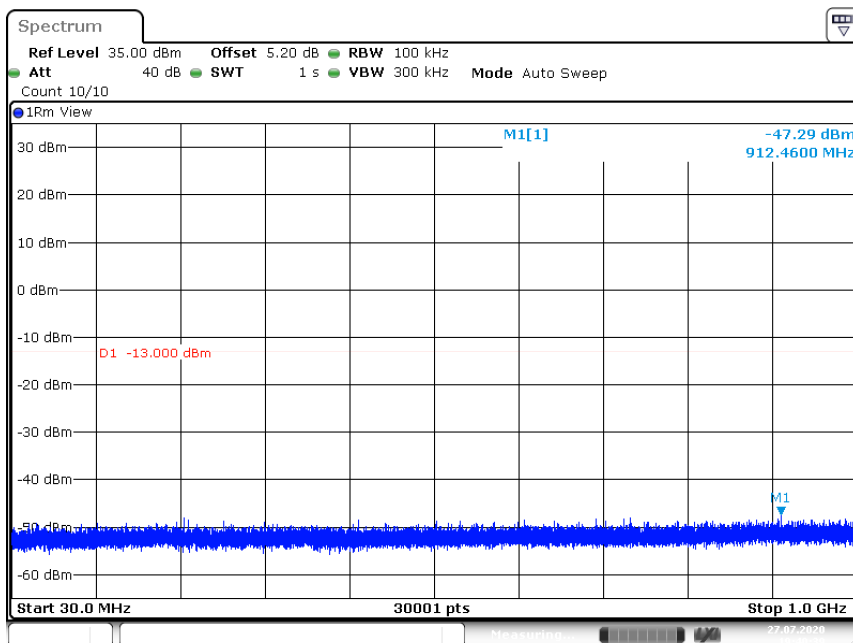


Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



Date: 27.JUL.2020 19:39:46

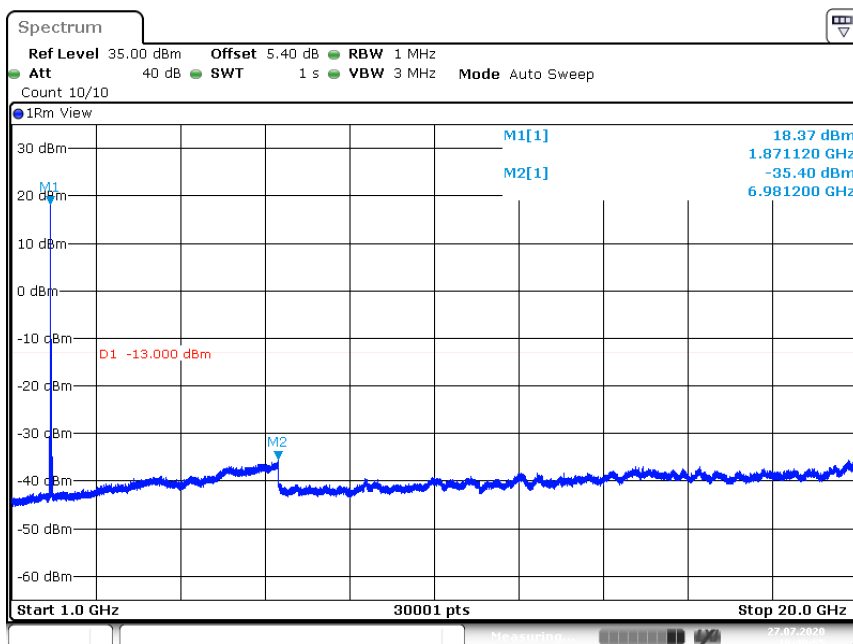
Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



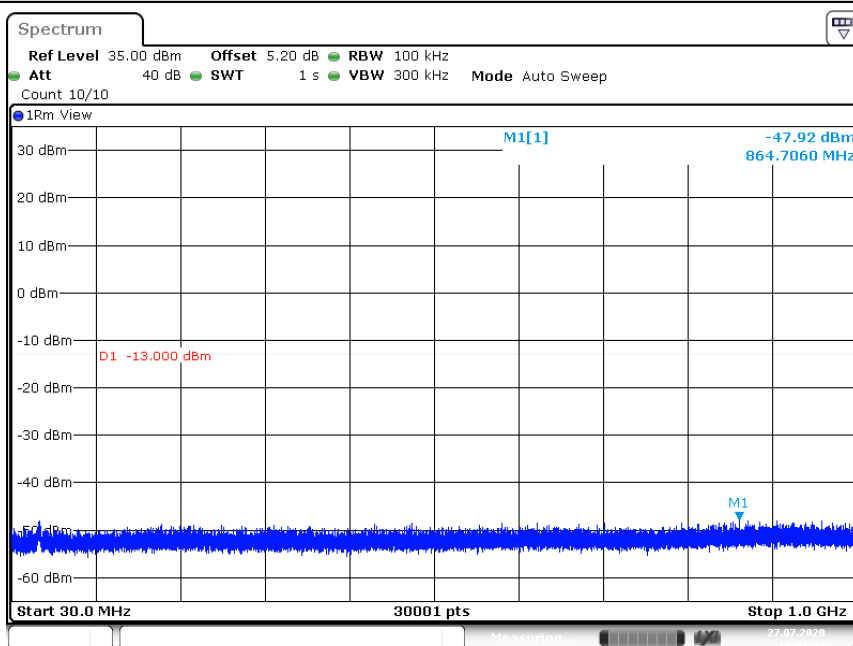
Date: 27.JUL.2020 19:40:39



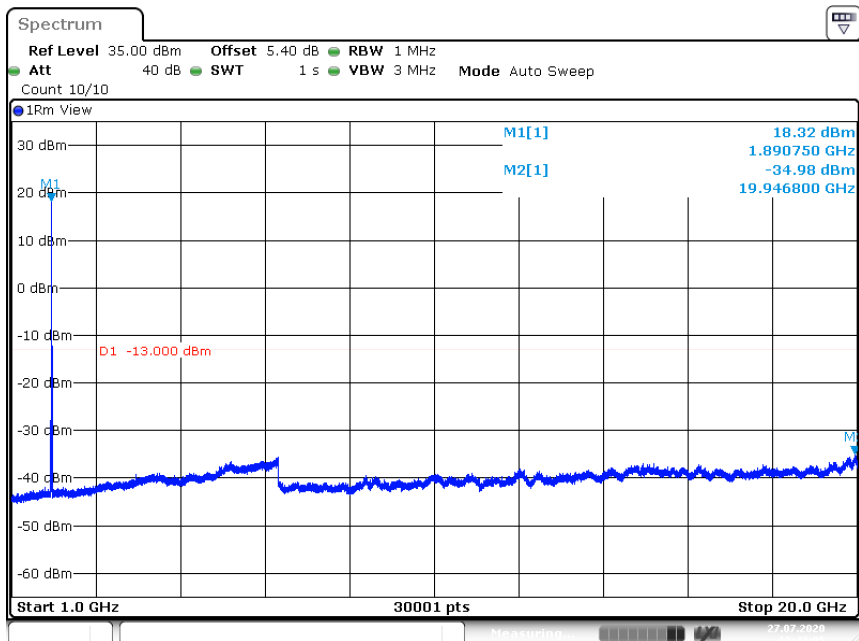
Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



Date: 27.JUL.2020 19:42:06



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 78.4054 | -57.74 | -13.00 | 44.74 | Vertical |
| 248.8429 | -65.92 | -13.00 | 52.92 | Vertical |
| 3702.0234 | -49.19 | -13.00 | 36.19 | Vertical |
| 5553.0851 | -55.72 | -13.00 | 42.72 | Vertical |
| 7404.1468 | -48.12 | -13.00 | 35.12 | Vertical |
| 17996.4999 | -39.32 | -13.00 | 26.32 | Vertical |
| 45.5693 | -63.56 | -13.00 | 50.56 | Horizontal |
| 164.2547 | -63.72 | -13.00 | 50.72 | Horizontal |
| 3702.0234 | -39.70 | -13.00 | 26.70 | Horizontal |
| 5553.5851 | -45.71 | -13.00 | 32.71 | Horizontal |
| 10587.7529 | -52.27 | -13.00 | 39.27 | Horizontal |
| 16390.4463 | -43.31 | -13.00 | 30.31 | Horizontal |

7.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 78.0659 | -58.51 | -13.00 | 45.51 | Vertical |
| 340.5125 | -62.27 | -13.00 | 49.27 | Vertical |
| 3742.5248 | -52.23 | -13.00 | 39.23 | Vertical |
| 5613.0871 | -56.04 | -13.00 | 43.04 | Vertical |
| 7484.1495 | -50.52 | -13.00 | 37.52 | Vertical |
| 17997.9999 | -39.27 | -13.00 | 26.27 | Vertical |
| 44.8417 | -64.21 | -13.00 | 51.21 | Horizontal |
| 165.0308 | -64.97 | -13.00 | 51.97 | Horizontal |
| 341.7736 | -63.10 | -13.00 | 50.10 | Horizontal |
| 3742.0247 | -38.69 | -13.00 | 25.69 | Horizontal |
| 5613.0871 | -47.14 | -13.00 | 34.14 | Horizontal |
| 16399.4466 | -43.25 | -13.00 | 30.25 | Horizontal |



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7.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 78.5509 | -57.64 | -13.00 | 44.64 | Vertical |
| 337.6994 | -62.87 | -13.00 | 49.87 | Vertical |
| 3782.0261 | -50.52 | -13.00 | 37.52 | Vertical |
| 5673.0891 | -50.43 | -13.00 | 37.43 | Vertical |
| 7564.6522 | -51.18 | -13.00 | 38.18 | Vertical |
| 17996.4999 | -39.75 | -13.00 | 26.75 | Vertical |
| 40.8160 | -62.38 | -13.00 | 49.38 | Horizontal |
| 165.9038 | -64.37 | -13.00 | 51.37 | Horizontal |
| 343.7137 | -63.17 | -13.00 | 50.17 | Horizontal |
| 3782.0261 | -39.06 | -13.00 | 26.06 | Horizontal |
| 5673.0891 | -43.21 | -13.00 | 30.21 | Horizontal |
| 16397.4466 | -43.33 | -13.00 | 30.33 | Horizontal |

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.





8. Frequency Stability

8.1. Frequency Vs Voltage

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | VL | NT | 0.10 | 0.000054 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | VN | NT | 3.80 | 0.002043 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | VH | NT | 0.40 | 0.000215 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VL | NT | 0.10 | 0.000053 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VN | NT | -4.50 | -0.002394 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | VH | NT | 4.30 | 0.002287 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | VL | NT | 6.30 | 0.003316 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | VN | NT | 6.60 | 0.003474 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | VH | NT | 6.10 | 0.003211 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | VL | NT | -12.00 | -0.006452 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | VN | NT | -10.00 | -0.005376 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | VH | NT | -6.50 | -0.003495 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | VL | NT | -9.00 | -0.004787 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | VN | NT | -7.00 | -0.003723 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | VH | NT | -1.30 | -0.000691 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | VL | NT | -2.70 | -0.001421 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | VN | NT | -4.20 | -0.002211 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | VH | NT | -3.90 | -0.002053 | ±2.5 | PASS |

8.2. Frequency Vs Temperature

| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | -30 | -3.20 | -0.001720 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | -20 | -5.90 | -0.003172 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | -10 | 1.40 | 0.000753 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 0 | 5.50 | 0.002957 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 10 | -0.50 | -0.000269 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 20 | -5.80 | -0.003118 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 30 | 3.70 | 0.001989 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 40 | -3.20 | -0.001720 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18700 | 100RB#0 | NV | 50 | 1.40 | 0.000753 | ±2.5 | PASS |



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| | | | | | | | | | | |
|-------|-------|-------|-------|---------|----|-----|-------|-----------|------|------|
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -30 | 5.50 | 0.002926 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -20 | 3.70 | 0.001968 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | -10 | -0.90 | -0.000479 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 0 | 3.30 | 0.001755 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 10 | 4.30 | 0.002287 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 20 | -0.50 | -0.000266 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 30 | 5.30 | 0.002819 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 40 | -0.30 | -0.000160 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 18900 | 100RB#0 | NV | 50 | 4.10 | 0.002181 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | -30 | 6.40 | 0.003368 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | -20 | 4.40 | 0.002316 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | -10 | -3.10 | -0.001632 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 0 | -0.50 | -0.000263 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 10 | 4.10 | 0.002158 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 20 | 5.40 | 0.002842 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 30 | 2.20 | 0.001158 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 40 | 4.00 | 0.002105 | ±2.5 | PASS |
| Band2 | 20MHz | QPSK | 19100 | 100RB#0 | NV | 50 | 5.00 | 0.002632 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | -30 | -8.90 | -0.004785 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | -20 | -8.40 | -0.004516 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | -10 | 1.50 | 0.000806 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | 0 | -9.00 | -0.004839 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | 10 | -4.90 | -0.002634 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | 20 | -7.30 | -0.003925 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | 30 | -2.80 | -0.001505 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | 40 | -7.20 | -0.003871 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 32RB#0 | NV | 50 | -3.60 | -0.001935 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | -30 | -6.90 | -0.003670 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | -20 | -7.20 | -0.003830 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | -10 | -1.00 | -0.000532 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | 0 | -2.50 | -0.001330 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | 10 | -4.10 | -0.002181 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | 20 | -4.70 | -0.002500 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | 30 | -4.20 | -0.002234 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | 40 | -5.20 | -0.002766 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 32RB#0 | NV | 50 | -6.80 | -0.003617 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | -30 | -6.60 | -0.003474 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | -20 | -3.20 | -0.001684 | ±2.5 | PASS |



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| | | | | | | | | | | |
|-------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | -10 | -0.90 | -0.000474 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | 0 | -4.40 | -0.002316 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | 10 | -6.10 | -0.003211 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | 20 | -3.90 | -0.002053 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | 30 | -3.90 | -0.002053 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | 40 | -2.10 | -0.001105 | ±2.5 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 32RB#0 | NV | 50 | -7.90 | -0.004158 | ±2.5 | PASS |

